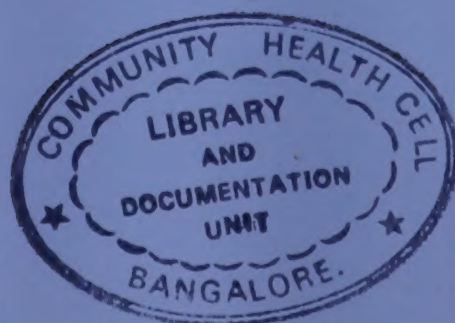


GOVERNMENT OF KARNATAKA.

DEPARTMENT OF HEALTH AND FAMILY WELFARE

Status Report 1994-95



Admiring

GOVERNMENT OF KARNATAKA

DEPARTMENT OF HEALTH AND FAMILY WELFARE

STATUS REPORT

1994-95

Dr. Ravi Narayan

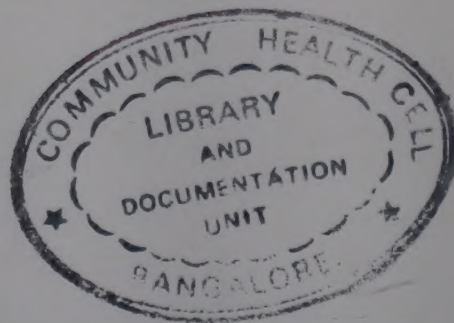
Compliments
from

Dr. Kishore Muthy

BUREAU OF HEALTH INTELLIGENCE,
DIRECTORATE OF HEALTH AND FAMILY WELFARE SERVICES,
B A N G A L O R E - 560 009.

ES-100

04898



P R E F A C E

STATUS REPORT is an annual publication of the Department of Health & Family Welfare Services. The current publication is the Tenth issue in its series.

It is hoped that the present publication will be found useful by the Health Planners, Health Policy makers, Health Administrators, Research Workers and those engaged in the implementation of Health and Family Welfare Programmes.

I gratefully acknowledge the generous co-operation extended by the Programme Officers of the Department & also by the Heads of Institutions like Population Centre, Medical Education, Indian Systems of Medicine and Homoeopathy, Drugs Control Department, NIMHANS, KMIO, Sanjay Gandhi Institute of Accident Rehabilitation and Physical Medicine, Shri. Jayadeva Institute of Cardiology etc, in providing the requisite data.

I would also like to express my deep appreciation for the sincere efforts put in by the Statistical Officers and the Staff of Bureau of Health Intelligence and Demographic and Evaluation Cell under the able guidance of the Additional Director (FW & MCH), Joint Director (Health and Planning) and the Demographer in bringing out this publication.

Any suggestions for further improvement of the publication will be highly appreciated.

BANGALORE
DATED:

DIRECTOR OF HEALTH AND F.W. SERVICES

OFFICERS AND OFFICIALS ASSOCIATED WITH THIS PUBLICATION

Dr.M.T.Hema Reddy	.. Director of Health & Family Welfare Services
Dr.G.V.Nagaraj	.. Additional Director (FW & MCH)
Dr.G.S.Viswanath	.. Joint Director(Health & Planning)
Sri.N.Nagaraju	.. Demographer, State Family Welfare Bureau
Sri.B.M.Rajashekarappa	.. Statistical Officer, Bureau of Health Intelligence.
Sri.G.Narayana Rao	.. Statistical Officer, Demographic and Evaluation Cell.
Smt.D.R..Jayashree	.. Senior Programmèr, Demographic and Evaluation Cell.

Staff of Bureau of Health Intelligence, Demographic and Evaluation Cell and Computer Centre.

C O N T E N T S

TABLE NO.	DESCRIPTION	PAGE NO.

INTRODUCTION : HEALTH & FAMILY WELFARE SERVICES		1
CHAPTER I : POPULATION STATISTICS		

	Brief Analysis of 1991 Census - Karnataka.	5
1.1	Karnataka and India at a Glance- General Information, Distribution of Villages according to Popula- tion (1981 Census), Demographic features, Vital Statistics.	9
1.2	Sub-Divisions, Taluks, Towns, Cities and Urban Agglomerations, Munici- palities and Corporations, No. of Inhabited Villages and Hoblies in Karnataka State.	14
1.3	Trends in Population of Karnataka 1901-1991.	15
1.4	District-wise Decadal variation in population since 1901 to 1991 in Karnataka.	16
1.5	Trends in Population of India 1901-1991.	17
1.6	Distribution of Area, population by Sex, Sex Ratio, Density of Popula- tion, Percentage of Urban Population to Total Population and Decennial Growth Rate of Population in Karnataka by District -1991 Census	18
1.7	Percentage of Literate Population in Karnataka by Sex (1991 Census)	19
1.8	Cities/Urban Agglomerations with a Population of 1,00,000 and above in Karnataka State - 1991 Census (Provisional).	20

1.9	Population Growth over last 90 years in Karnataka State by District.	22
1.10	Schedule Caste and Schedule Tribe Population in Karnataka State by District (1991 Census).	23
1.11	Mean Age at Marriage of Females in Karnataka State by District (1981 Census).	24

CHAPTER II : HEALTH SITUATION IN KARNATAKA STATE

	----- Health Situation in Karnataka State. Health Facilities in Karnataka State as on 31.3.1995.	25
2.1	Health and Medical Institutions by Management in Karnataka State as on 31.3.1995	35
2.2	Health and Medical Institutions by Management and by District in Karna- taka State as on 31.3.1995.	36
2.3	Sanctioned bed strength in Health and Medical Institutions by Management and by District in Karnataka State as on 31.3.1995.	37
2.4	Health and Medical Institutions (Govern- ment only) in Karnataka State as on 31.3.1995.	38
2.5	No. of Health and Medical Institutions and sanctioned beds (Government only) by District in Karnataka State as on 31.3.1995.	39
2.6	No. of Sub-Centres by District in Kar- nataka State as on 31.3.1995.	40

CHAPTER III: MEDICAL DEVELOPMENT PROGRAMME

	----- Medical Development Programme.	41
3.1	Bed Strength in District Hospitals in Karnataka State as on 31.3.1995.	45

3.2	Bed Strength in Major Hospitals, Specialised Hospitals and E.D Hospitals in Karnataka State as on 31.3.1995.	46
3.3	Specialised Hospitals and Institutions.	47
3.4	Hospital Pharmacies sanctioned in Karnataka State.	50
3.5	Performance under Hospital Pharmacy.	51
	SEXUALLY TRANSMITTED DISEASES (STD) CONTROL PROGRAMME:	
3.6	STD Cases seen and treated in S.T.D Clinics in Karnataka State from 1990-1994.	51
3.7	STD cases seen and treated - Disease-wise and Institution-wise in Karnataka State during the year 1994. (Provisional)	52
3.8	STD cases seen and treated-Disease-wise and Month-wise in Karnataka State during the year 1994. (P)	56
3.9	Incidence of Snake Bite and deaths by Sex in Karnataka State from 1990 to 1994.	58
3.10	Incidence of Snake Bite and deaths by Age group and by Sex in Karnataka State during the year 1994 (Provisional).	58
3.11	Thresher Accident cases in Karnataka State from 1990 to 1994.	59
3.12	Indoor and Outdoor patients treated and deaths among In-Patients in Karnataka State during the year 1994 (Provisional).	60
3.13	Indoor and Outdoor Patients treated & deaths among In-patients in Health and Medical Institutions in Karnataka State during the year 1994 by District (Provisional).	61

CHAPTER IV :	TRAINING FACILITIES	

4.1	Training facilities in Karnataka State.	63
CHAPTER V :	MANPOWER STATISTICS	

5.1	Cadre Strength of the Department of Health and Family Welfare Services as on 31.3.1995.	65
CHAPTER VI ;	STATE HEALTH TRANSPORT ORGANISATION	

6.1	Supply of Vehicles by different Agencies as on 31.3.1995.	73
6.2	Programmewise distribution of Vehicles as on 31.3.1995 in Karnataka State by District.	74
CHAPTER VII;	PERFORMANCE UNDER DIFFERENT HEALTH PROGRAMMES	

	(A) MALARIA	

7.1	Infrastructural facilities under National Malaria Eradication Programme as on 31.12.1994.	75
7.2	Comparative performance under National Malaria Eradication programme over last five years.	76
7.3	Blood Smears collected, Examined, Positives, PF cases and Radical Treatment given during the year 1994.	77
	(B) FILARIA	

7.4	Infrastructural facilities under National Filaria Control Programme as on 31.12.1994.	78
7.5	National Filaria Control Programme - Comparative performance over last five years.	78

7.6	Performance under National Filaria Control Programme during the year 1994.	78
	(C) BLINDNESS -----	
7.7	Infrastructural facilities under National Programme for control of Blindness as on 31.3.1995.	79
7.8	National Programme for control of Blindness - comparative performance over last five years.	80
7.9	No. of Cataract operations performed during the year 1994-95.	81
	(D) TUBERCULOSIS -----	
7.10	Infrastructural facilities under National Tuberculosis Control Programme as on 31.3.1995.	82
7.11	National T.B.Control Programme-Comparative performance over last five years.	83
7.12	T.B.Cases detected during the year 1994-95 in Karnataka State by District.	84
7.13	Annual Analysis of New Chest Symptomatics during the year 1994-95 in Karnataka State by District.	85
7.14	District-wise prevalence of T.B cases in Karnataka State as on 31.3.1995.	86
	(E) LEPROSY -----	
7.15	Infrastructural facilities under National Leprosy Eradication Programme as on 31.3.1995.	87
7.16	National Leprosy Eradication Programme-Comparative performance over last five years.	88

7.17	New Cases detected by Type under National Leprosy Eradication Programme in Karnataka State from 1990-91 to 1994-95 by District.	89
7.18	Type wise, District wise cases cured/ Disease arrested under National Leprosy Eradication Programme in Karnataka State from 1990-91 to 1994-95 by District.	90
7.19	Children cases detected out of Total New Cases detected under National Leprosy Eradication Programme from 1990-91 to 1994-95 in Karnataka State by District.	91
7.20	Deformity cases detected out of Total New cases detected under National Leprosy Eradication Programme in Karnataka State from 1990-91 to 1994-95 by District.	92
7.21	District-wise Target and Achievement of Leprosy cases detected, treated & discharged as cured during the year 1994-95.	93
7.22	District-wise prevalence Rate of Leprosy cases in Karnataka State as on 31.3.1995.	94

(F) NUTRITION PROGRAMME

7.23	Prophylaxis against Vitamin 'A' Deficiency - comparative performance over last five years.	95
7.24	Beneficiaries covered under Vitamin 'A' Administration in Karnataka State during the year 1992-93.	96
7.25	Immunisation Programme under I.C.D.S Scheme - Comparative performance over last five years.	97
7.26	Immunisation Programme under I.C.D.S in Karnataka State by District during the year 1994-95.	98

(G) NATIONAL GOITRE CONTROL PROGRAMME

7.27	Percent prevalence of Goitre in Karnataka State	99
------	---	----

(H) COMMUNICABLE DISEASES CONTROL

PROGRAMME

7.28	Comparative performance over last five years.	100
7.29	No. of cases and deaths due to Japanese Encephalitis in Karnataka State during the year 1994.	100
7.30	No. of cases and deaths due to Kyasanur Forest Disease during the year 1994.	101
7.31	No. of cases and deaths due to Gastro-Enteritis, Cholera and Anti-Cholera Inoculations done during the year 1994.	102
7.32	Cases and deaths due to Communicable Diseases during the years 1993 & 1994.	103

(I) AIDS CONTROL PROGRAMME

7.33	AIDS Surveillance among the High Risk Group - Comparative Situation over last five years.	104
7.34	Aids positive cases during the year 1994.	104
7.35	Aids surveillance among the High Risk Group during the year 1994.	105

(J) SCHOOL HEALTH PROGRAMME

7.36	Performance from 1990-91 to 1994-95.	106
7.37	Performance of Mobile Ophthalmic-cum-Dental Specialist Units from 1990-91 to 1994-95	108

(K) PUBLIC HEALTH INSTITUTE

7.38	Performance over last five years.	109
------	-----------------------------------	-----

(L) VACCINE INSTITUTE, BELGAUM

7.39	Manufacture of Anti Rabies Vaccine.	111
------	-------------------------------------	-----

(M) VIRUS DIAGNOSTIC LABORATORY,

SHIMOGA

7.40	Manufacture of K.F.D.Vaccine.	111
------	-------------------------------	-----

CHAPTER VIII: FAMILY WELFARE, MCH AND IMMUNISATION

PROGRAMME.

	Brief Report on Family Welfare, MCH and Immunisation Programme in Karnataka 1994-95.	113
8.1	Infrastructural facilities available for rendering Family Welfare Services in Karnataka as on 31.3.1995.	125
8.2	Family Welfare Programme - Institutions by District as on 31.3.1995.	127
8.3	Number of Laproscopes available and Doctors trained in Laproscopy in Karnataka State as on 31.3.1994.	128
8.4	Family Welfare Programme in Karnataka State - Targets and Achievements from 1990-91 to 1994-95.	129
8.5	Progress under Family Welfare Programme in Karnataka State by District during the year 1994-95.	130
8.6	Progress under MCH programme in Karnataka State from 1990-91 to 1994-95.	131
8.7	Deliveries conducted by ANMs, Trained Dais & others from 1990-91 to 1994-95.	131

8.8	Training of Dais in Karnataka	132
8.9	Dais Training Programme during the year 1994-95 in Karnataka by District.	132
8.10	Immunisation programme in Karnataka State from 1990-91 to 1994-95.	133
8.11	Immunisation programme in Karnataka State during the year 1994-95 by District.	134
8.12	Prophylaxis against Nutritional Anaemia in Karnataka State from 1988-89 to 1992-93.	138
8.13	Prophylaxis against Nutritional Anaemia in Karnataka State by District during the year 1992-93.	139
8.14	Births eventually Averted by different Family Welfare methods in Karnataka State from 1990-91 to 1994-95.	140
8.15	Eligible Couples effectively protected in Karnataka State under Family Welfare Programme - Method wise from 1990-91 to 1994-95.	140
8.16	Eligible couples effectively protected by different Family Welfare methods in Karnataka State since 1966-67 to 1994-95 by District.	141
8.17	Total number of Acceptors of Vasectomy, Tubectomy and I.U.D. in Karnataka State by religion during the period from 1990-91 to 1994-95.	142
8.18	Total Number of Acceptors of Vasectomy, Tubectomy and I.U.D in Karnataka State by Age Group of wife during the period from 1990-91 to 1994-95.	143
8.19	Total Number of Acceptors of Vasectomy, Tubectomy and I.U.D in Karnataka State by number of living children during the period from 1990-91 to 1994-95.	146

8.20	Total Number of Acceptors of Vasectomy, Tubectomy and I.U.D in Karnataka State by Education of Husband during the period from 1990-91 to 1994-95.	147
8.21	Total Number of Acceptors of Vasectomy, Tubectomy and I.U.D in Karnataka State by Education of Wife during the period from 1990-91 to 1994-95.	148
8.22	District-wise trends in the mean No. of living children during the period from 1990-91 to 1994-95.	149
8.23	District-wise trends in the mean age of wife during the period from 1990-91 to 1994-95.	150
8.24	Allotment and Expenditure under Family Welfare Programme in Karnataka State from 1990-91 to 1994-95	151
CHAPTER IX: POPULATION CENTRE -----		
	Population Centre, Bangalore.	153
CHAPTER X : DEPARTMENT OF MEDICAL EDUCATION -----		
	Department of Medical Education	155
CHAPTER XI: DEPARTMENT OF INDIAN SYSTEMS OF ----- MEDICINE AND HOMOEOPATHY. -----		
	Department of Indian Systems of Medicine and Homoeopathy.	161
11.1	No.of Institutions in the State as on 31.3.1995.	163
11.2	Licences granted to Manufacture of Ayurvedic, Unani and Homoeopathic drugs under Drug Licencing Unit during 1992-93,1993-94 and 1994-95.	164

CHAPTER XII:	DEPARTMENT OF DRUGS CONTROL	

	Department of Drugs Control	165
12.1	Enforcement of the Drugs and Cosmetics Act 1940 and Rules.	167
12.2	Drugs Manufacturers and No.of Licences granted during the year 1994-95.	167
12.3	Enforcement of the Drugs (Price Control) Order 1979/1987.	168
12.4	No.of samples received and tested in the Laboratory during the year 1994-95.	168
12.5	No.of samples tested during the year 1994-95.	168
CHAPTER XIII:	NATIONAL INSTITUTE OF MENTAL HEALTH AND	

	NEURO SCIENCES.	

	National Institute of Mental Health and Neuro Sciences, Bangalore.	169
13.1	Mental Health and Neuro Sciences - Services from 1990 to 1994.	170
13.2	Indoor Patients treated for Psychiatry by Age, Sex and Religion from 1990 to 1994.	171
13.3	Results of Treatment.	172
CHAPTER XIV:	KIDWAI MEMORIAL INSTITUTE OF ONCOLOGY,	

	BANGALORE.	

	Kidwai Memorial Institute of Oncology.	173
14.1	Bed Strength and Operations (Major & Minor) performed from 1990 to 1994 in Kidwai Memorial Institute of Oncology, Bangalore.	177
14.2	Outdoor and Indoor patients treated during the years 1990 to 1994 in Kidwai Memorial Institute of Oncology, Bangalore.	177

14.3	Incidence of Cancer cases by Age and Sex _ 1990 to 1994.	178
14.4	Ten Leading sites of Cancer from 1990 to 1994.	180
14.5	Operations performed by Age Group and Sex from 1990 to 1994.	183
CHAPTER XV:	SHRI JAYADEVA INSTITUTE OF CARDIOLOGY -----	
	Shri Jayadeva Institute of Cardiology, Bangalore.	189
15.1	In-Patients, out-Patients treated and Deaths among In-Patients during the years 1990 to 1994.	191
15.2	No.of operations performed by Age and Sex during the year 1994.	191
CHAPTER XVI:	SANJAY GANDHI INSTITUTE OF ACCIDENT ----- REHABILITATION AND PHYSICAL MEDICINE. ----- BANGALORE. -----	
	Sanjay Gandhi Institute of Accident Rehabilitation and Physical Medicine.	193
16.1	No.of patients treated and No.of operations performed during the years 1990 to 1994.	194
CHAPTER XVII:	SPECIAL TABLES -----	
17.1	Important Health Indices of Karnataka State.	195
17.2	Per Capita (public sector) Expenditure on Health (Medical and Public Health) and Family Welfare of Southern States during the years 1987-88 to 1989-90.	195
	IMPORTANT HEALTH INDICATORS -1986 -----	
17.3	Estimated Age Specific Fertility Rates and other Fertility Indicators-1986.	196

17.4	Mortality Indicators - 1986.	197
17.5	Percent distribution of Sample Birth by Type of Medical Attention at Birth, 1986.	197
17.6	Percent distribution of Sample Death by Type of Medical Attention at Death, 1986.	198
17.7	Estimated Age Specific Death Rates by Rural/Urban 1986.	199
17.8	Estimated Infant Death Rates by Rural/Urban and Sex - 1986.	200
17.9	Percentage of Infant Deaths to Total Deaths - 1986.	200
17.10	Percent distribution of estimated population by Age Group and Sex - 1986 - Karnataka.	201
17.11	Percentage of population below poverty line by Rural, Urban & Combined 1987-88 (Provisional) in Southern States and India.	202
17.12	Birth Rate, Death Rate and Infant Mortality Rate - Karnataka (S.R.S).	203
17.13	Birth Rate, Death Rate and Infant Mortality Rate - India (S.R.S).	204
CHAPTER XVIII; INTERNATIONAL COMPARATIVE STATISTICS -----		
18.1	Population, Natality, General Mortality and Natural increase for the World around 1991.	205
18.2	Natality, General Mortality and Natural increase, Expectation of Life at Birth (by sex) and Infant Mortality during 1985-90.	206
18.3	Population per Bed, Physician and Mid-wife/Nurse for selected countries.	207

18.4	Government Health Expenditure in different Countries.	208
	Goals for Health and Family Welfare Programme in terms of 'Health for All' by 2000 A.D.	210
	List of World Health Day Themes.	212

DEPARTMENT OF HEALTH AND FAMILY WELFARE SERVICES

INTRODUCTION

The Department of Health and Family Welfare Services is providing comprehensive Health Care Services to its people by way of implementing various National and State Health Programmes of Public Health importance through its net work of various types of Health & Medical Institutions.

The Department of Health and Family Welfare Services provide the following Health, Family Welfare and MCH care Services through :-

1. Rural Health Component of Minimum Needs Programme;
2. Medical Development Programme;
3. M.C.H, Family Welfare and Immunisation Programme;
4. National Malaria Eradication Programme & National Filaria Control Programme;
5. National Leprosy Eradication Programme;
6. National Tuberculosis Control Programme;
7. National Programme for Control of Blindness;
8. Prevention and Control of other Communicable Diseases like Diarrhoeal Diseases, Kyasanur Forest Diseases, Japanese Encephalitis etc.,;
9. School Health Programme;
10. Nutrition Programme - Nutrition Education and Demonstration;

11. National Goitre Control Programme;
12. Laboratory Services and Vaccine Production Units;
13. Education on Environmental Sanitation;
14. Health Education and Training programme;
15. Curative Services;

ADMINISTRATION AND DIRECTION

The Director of Health & Family Welfare Services is the Head of the Department and is responsible to provide the Health Care Services to the Community by way of implementing various National and State Health Programmes in the State. The Director of Health and Family Welfare Services is assisted by two Additional Directors (FW&MCH & AIDS), fourteen Joint Directors, One Demographer and seventeen Deputy Directors. These Officers act as Technical Advisers to the Director of Health and Family Welfare Services. The Director of Health and Family Welfare Services is also assisted by a Chief Accounts Officer-cum-Financial Adviser and Chief Administrative Officer in all matters pertaining to Finance and Accounts and Administration of the Department respectively.

At the Divisional Level, there are four Divisional Joint Directors of Health and Family Welfare Services stationed at Bangalore, Belgaum, Gulbarga and Mysore. Each Divisional Joint Director of Health and Family Welfare Services is assisted by two Deputy Directors.

The Divisional Joint Directors of Health & Family Welfare Services are responsible for supervision and effective implementation of various National and State Health Programmes including Family Welfare Programme and MCH Services in the Districts coming under their jurisdiction.

At the District Level, the District Health and Family Welfare Officers are responsible for supervision, providing guidance, prompt and effective implementation of various National & State Health programmes including Family Welfare Programme and MCH Services through the net work of various types of Health and Medical Institutions in their respective Districts. The District Health & Family Welfare Officers are assisted by District Leprosy Officers, District Malaria Officers, District T.B. Officers, Medical Officers of District Laboratories, Medical Officers (FW & MCH) and Regional Assistant Chemical Examiners in the implementation of various National & State Health Programmes including Family Welfare Programme and MCH Services.

The District Surgeons of the District Hospitals are responsible for providing curative and promotive services including referral services.

At the Sub-Divisional Level, the Assistant District Health and Family Welfare Officers are responsible for supervision, providing guidance to the Medical Officers of Primary Health Centres, Medical Officers of Primary Health Units and to the field staff for prompt and effective implementation of various National and State Health Programmes through the network of various types of Health & Medical Institutions other than Major and Specialised Hospitals coming under their respective jurisdiction.

At the Primary Health Centre level, the Medical Officers of Health are responsible for supervision, providing guidance to the Medical Officers of Primary Health Units and to the Field Staff coming under their jurisdiction for prompt and effective implementation of various National and State Health Programmes including Family Welfare Programme and M.C.H Services.

CHAPTER - I

POPULATION STATISTICS

BRIEF ANALYSIS OF 1991 CENSUS - KARNATAKA

G E N E R A L :

The population of Karnataka as recorded at the moment of sunrise on the 1st March 1991 is 4,49,77,201. The Male and Female population of Karnataka as per 1991 Census are 2,29,51,917 and 2,20,25,284 respectively. The population of Karnataka thus constitutes 5.3 percent of the population of the Country. The 1991 Census shows that the population of Karnataka has increased by 78,41,487 persons over that of 1981 Census. This represents a growth of population of 21.12 percent over the decade 1981-91 as against the growth of population of 26.75 percent during the decade 1971-81.

The population growth of Karnataka over last 90 years i.e., between 1901 and 1991 is 243.30 percent according to 1991 census. Karnataka is 8th in order of population size.

Bangalore District has the largest population of 48,39,162 followed by Belgaum with 35,83,606. The smallest District is Kodagu with a population of 4,88,455.

There were 19 Districts when the Census was taken in 1981. In 1986 the Government of Karnataka bifurcated Bangalore District into two new Districts - Bangalore District and Bangalore Rural District. Thus

there are 20 Districts in 1991 Census . The Jurisdiction of the present Bangalore District covers Bangalore North, Bangalore South and Anekal Taluks and also the Bangalore Urban agglomeration area. Bangalore Rural District comprises of Devanahalli, Doddaballapura, Hoskote, Kanakapura, Magadi, Nelamangala, Ramanagaram and Channapatna Taluks.

DENSITY:

The Density of population of Karnataka is 235 according to 1991 Census as against 194 in 1981 Census.

SEX RATIO:

Sex Ratio is a very important demographic characteristic. It is defined as the No. of Females per thousand males. The Sex Ratio of Karnataka according to 1991 census is 960. The coastal District of Dakshina Kannada has the highest and only positive sex ratio of 1063 and Hassan District has a sex ratio of 999. The Districts where the sex ratio has gone down in 1991 as compared to 1981 are Bangalore Rural, Bellary, Bidar, Bijapur, Dharwad, Gulbarga, Kolar, Raichur and Tumkur. In the Districts of Bangalore, Bangalore Rural, Chitradurga and Dharwad the sex ratio are below 950.

URBAN AGGLOMERATIONS:

21 Cities/Urban Agglomerations identified for the 1991 Census as against 17 in the 1981 Census. 17 Urban Agglomerations have a population of more than one lakh. In addition, there are 4 Cities viz., Hubli-Dharwad, Bellary, Mandya and Gadag - Betageri with a population of more than one lakh. In the 1981 Census there were 17 Cities/Urban Agglomerations with a Population of one lakh and above. The additions to this list for the 1991 census are Bidar, Udupi, Hassan and Chitradurga. Bangalore is the only Urban Agglomeration which has a population exceeding one million.

EFFECTIVE LITERACY RATE:

The effective literacy rate for Karnataka is 56.04% in 1991 as per 1991 census as against 46.20% in 1981. There has been considerable improvement over the last decade. The literacy rate of Karnataka is higher than the All India average of 52.21%.

The effective literacy rates among Males in Karnataka has increased from 58.72% in 1981 to 67.26% in 1991 and the effective literacy rate among Females has increased to 44.34% in 1991 from 33.16% in 1981, (while calculating effective literacy rates, the population in age group 0 - 6 is excluded considering all children below age 7 years have been treated as illiterate).

SALIENT FEATURE:

The most remarkable feature of 1991 Census as far as Karnataka is concerned, is that for the first time the growth rate of the population has fallen to a considerable extent. The Literacy rate has also improved considerably and for the first time more than half of the population can read and write.

TABLE NO.1.1
KARNATAKA AND INDIA AT A GLANCE

I. GENERAL INFORMATION	KARNATAKA	INDIA
-----	-----	-----
i.Area in Sq.Kms	1,91,791	32,87,263
ii.No.of Revenue Divisions	4	NA
iii.No.of Districts	20	451
iv.No.of Taluks	175	NA
v.No.of Towns & Urban Agglomerations (as per 1991 census, provisional) 254		3,768

CLASSIFICATION OF TOWNS AND CITIES 1991 CENSUS
(PROVISIONAL)

a)Class I	- Having more than 1 lakh population	21	NA
b)Class II	- Having population 50,000 to 99,999	17	"
c)Class III	- Having population 20,000 to 49,999	82	"
d)Class IV	- Having population 10,000 to 19,999	70	"
e)Class V	- Having population 5,000 to 9,999	40	"
f)Class VI	- Having population less than 5,000	24	"

DISTRIBUTION OF VILLAGES ACCORDING TO POPULATION
(1981 CENSUS)

II.No.of Inhabited villages with
population of

i)10,000 and above	35	1,834
ii)5,000 to 9,999	401	7,202
iii)2,000 to 4,999	2,722	46,892

iv) 1,000 to 1,999	5,239	94,486
v) 500 to 999	7,342	1,35,928
vi) Less than 500	11,285	2,70,795
	-----	-----
Total	27,024	5,57,137
	-----	-----

KARNATAKA

INDIA

III. DEMOGRAPHIC FEATURES:

1.a) Population 1991 Census (in 000s)	44,977	8,46,302
b) Male Population (in 000s)	22,952	4,39,230
c) Female Population (in 000s)	22,025	4,07,072
d) Rural Population (in 000s)	31,069	N.A
e) Urban Population (in 000s)	13,908	N.A
2. Percentage of Urban Population to Total Population - (1991 Census)	30.92	25.73
3. Sex Ratio (No. of Females for 1000 Males) - (1991 Census)	960	927
4. Decennial Growth Rate (1981-91)	21.12	23.85
5. Percentage of literates to total Population {Excluding 0 - 6 Years Popula- tion-1991 Census (Provisional)}	56.04	52.21
Male	67.26	64.13
Female	44.34	39.29
6. Percentage of SC/ST Population to Total Population (1991 Census)		
Scheduled Caste	16.38	16.33
Scheduled Tribe	4.26	8.01

7. Population Broadage composition
(Percentage to Total Population
as per 1981 Census)

0 - 14 Years	39.6	39.6
15 - 59 Years	53.8	53.9
60 + Years	6.6	6.5

8. Percentage of Workers to Total
Population by Sex (1991 Census
Provisional)

Males	53.91	N.A
Females	29.27	N.A
Total	41.83	N.A

9. Religion Wise breakup of
Population - 1981 Census
(Percentage to Total)

Hindus	85.92	82.35
Muslims	11.05	11.73
Christians	2.06	2.44
Others	0.97	3.48

10. Density of Population -
1991 Census (Provisional)

235	274
-----	-----

IV. VITAL STATISTICS

1. Birth Rate (1993 Provisional)
(SRS)

Rural	26.7	30.3
Urban	23.1	23.5
Combined	25.5	28.5

2. Death Rate (1993 Provisional)
(SRS)

Rural	9.5	10.5
Urban	5.2	5.7
Combined	8.0	9.2

3. Infant Mortality Rate (1993 Provisional) (SRS)

Rural	79	82
Urban	41	45
Combined	67	74

4. Expectation of Life at Birth (1991-96) Projected Values

Male	64.15	60.6
Female	65.30	61.7

5. Dependency Ratio (1981)

858	854
-----	-----

(No. of persons in the
age group of 0 - 14 and
60 and above per 1000
persons in the age group
15-59).

6. Percentage of eligible couples protected as on 31.3.94

52.4	44.1 (1991)
------	----------------

7. Percentage of Married Females to total Females in the age group of 15 to 44 (1981 Census)

76.08	80.51
-------	-------

8. Mean age at marriage of Females/Males (1981 Census)

Males	25.86	23.29
Females	19.21	18.33

9. General Fertility Rate (G.F.R) (1988)

Rural	124.0	139.5
Urban	95.9	103.9
Total	116.0	131.0

10. Age Specific Fertility
Rates (A.S.F.R) (1986)

15 - 19 Years	88.8	91.1
20 - 24 "	230.2	252.8
25 - 29 "	180.3	216.4
30 - 34 "	103.3	139.2
35 - 39 "	60.4	78.6
40 - 44 "	22.8	37.7
45 - 49 "	6.9	14.9

11. Total Fertility Rates
(T.F.R) (1988)

Rural	3.7	4.3
Urban	2.7	3.1
Combined	3.4	4.0

12. Gross Reproduction Rates
(G.R.R) (1988)

Rural	1.8	2.0
Urban	1.3	1.5
Total	1.7	1.9

13. Neo-natal and Post-natal
Mortality Rates (1986)

Neo-natal	54.4	56.8
Post-natal	18.8	37.7

14. Estimated Death Rate for
Children aged 0 to 4 years
(1986)

Rural	27.6	40.8
Urban	15.6	20.9
Total	24.5	36.6

TABLE NO. 1.2

SUB-DIVISIONS, TALUKS, TOWNS, CITIES & URBAN AGGLOMERATIONS, MUNICIPALITIES & CORPORATIONS, NO.OF INHABITED VILLAGES & HOBLIES IN KARNATAKA STATE.

Sl.No.	Name of the Districts	Number of				
		Sub-Divisions	Taluks	Towns Cities & Urban Agglomerations	Municipalities and Corporations	Inhabited Villages Hoblies
1.	Bangalore	1	3	4	5	681 17
2.	Bangalore Rural	2	8	9	8	1,713 35
3.	Belgaum	3	10	20	17	1,138 35
4.	Bellary	2	8	11	10	591 31
5.	Bidar	2	5	5	5	587 30
6.	Bijapur	4	11	18	18	1,247 36
7.	Chikmagalur	2	7	10	5	1,021 32
8.	Chitradurga	2	9	10	5	1,289 30
9.	D.Kannada	3	8	16	11	615 26
10.	Dharwad	4	17	20	19	1,344 44
11.	Gulbarga	3	10	17	12	1,295 48
12.	Hassan	2	8	12	6	2,369 38
13.	Kodagu	1	3	9	1	291 16
14.	Kolar	2	11	13	10	2,889 53
15.	Mandya	2	7	11	6	1,365 31
16.	Mysore	3	11	15	10	1,649 49
17.	Raichur	3	9	13	8	1,396 57
18.	Shimoga	2	9	15	7	1,785 52
19.	Tumkur	3	10	12	6	2,537 50
20.	U.Kannada	3	11	14	8	1,264 35
Total		49	175	254	177	27,066 745

15
TABLE NO.1.3

TRENDS IN POPULATION OF KARNATAKA 1901 - 1991.

Census year	Population(in 000s)			Perccen- tage of Decinnial increase or Decrease	Sex Ratio (No.of Fe- males per 1000 Males)	Percentage of Urban population to total population
	Males	Females	Persons			
1	2	3	4	5	6	7
1901	65.82	64.73	130.55	-	983	12.56
1911	68.28	66.97	135.25	+3.60	981	11.56
1921	67.24	65.84	133.78	-1.09	969	13.76
1931	74.45	71.88	146.33	+9.38	965	15.30
1941	82.94	79.61	162.55	+11.09	960	16.94
1951	98.67	95.35	194.02	+19.36	966	22.95
1961	120.41	115.46	235.87	+21.57	959	22.33
1971	149.72	143.27	292.99	+24.22	957	24.31
1981	189.23	182.13	371.36	+26.75	963	28.89
1991	229.52	220.25	449.77	+21.12	960	30.92

Handwritten notes:
 → District Wise 1901-1991

16
TABLE NO.1.4
DISTRICT WISE DECADAL VARIATION IN POPULATION SINCE 1901 TO 1991 IN KARNATAKA - 1991 CENSUS

District	Percentage Decadal variation in population									
	1901-1911	1911-1921	1921-1931	1931-1941	1941-1951	1951-1961	1961-1971	1971-1981	1981-1991	
1	2	3	4	5	6	7	8	9	10	
KARNATAKA	+ 3.60	- 1.09	+ 9.38	+ 11.09	+ 19.36	+ 21.57	+ 24.22	+ 26.75	+ 21.12	
1.Bangalore	+ 8.47	+ 12.25	+ 22.79	+ 25.11	+ 69.77	+ 19.61	+ 46.55	+ 59.08	+ 38.44	
2.Bangalore Rural	+ 7.63	+ 4.60	+ 14.47	+ 12.73	+ 22.92	+ 15.07	+ 16.22	+ 24.30	+ 15.23	
3.Belgaum	- 4.19	+ 0.46	+ 13.64	+ 13.97	+ 16.71	+ 20.53	+ 22.16	+ 22.94	+ 20.30	
4.Bellary	- 0.51	- 13.45	+ 13.40	+ 9.31	+ 19.21	+ 18.29	+ 22.66	+ 32.65	+ 26.92	
5.Bidar	+ 18.95	- 5.81	+ 9.51	+ 16.90	+ 7.45	+ 20.35	+ 24.26	+ 20.83	+ 26.12	
6.Bijapur	+ 13.67	- 6.65	+ 9.25	+ 12.31	+ 18.79	+ 18.87	+ 19.60	+ 20.96	+ 21.91	
7.Chikmagalur	- 5.79	- 1.45	+ 4.25	+ 3.04	+ 16.54	+ 43.05	+ 23.33	+ 23.77	+ 11.57	
8.Chitradurga	+ 10.43	+ 1.96	+ 14.35	+ 10.47	+ 19.56	+ 26.02	+ 27.71	+ 27.20	+ 22.67	
9.Dakshina Kannada	+ 4.82	+ 4.50	+ 8.04	+ 10.38	+ 13.41	+ 17.50	+ 24.01	+ 22.55	+ 13.36	
10.Dharwad	- 7.00	+ 0.52	+ 6.59	+ 9.08	+ 16.66	+ 23.80	+ 20.01	+ 25.76	+ 18.93	
11.Gulbarga	+ 9.22	- 7.94	+ 11.56	+ 6.99	+ 14.52	+ 15.31	+ 24.28	+ 19.63	+ 24.10	
12.Hassan	+ 1.61	+ 0.63	+ 2.61	+ 5.16	+ 13.93	+ 25.27	+ 23.05	+ 23.10	+ 15.67	
13.Kodagu	- 3.12	- 6.37	- 0.31	+ 3.31	+ 35.96	+ 40.72	+ 17.18	+ 22.10	+ 5.75	
14.Kolar	+ 7.80	+ 1.57	+ 7.16	+ 14.36	+ 16.13	+ 14.18	+ 17.56	+ 25.64	+ 16.34	
15.Mandya	+ 4.47	+ 7.59	+ 7.27	+ 9.09	+ 12.90	+ 25.49	+ 28.38	+ 22.85	+ 15.96	
16.Mysore	+ 3.11	N	+ 8.16	+ 14.33	+ 20.84	+ 17.32	+ 24.28	+ 24.97	+ 21.92	
17.Raichur	+ 7.38	- 7.78	+ 6.58	+ 11.09	+ 11.21	+ 15.44	+ 28.75	+ 26.00	+ 29.49	
18.Shimoga	- 2.69	- 4.64	+ 5.45	+ 5.93	+ 20.02	+ 53.38	+ 27.93	+ 27.30	+ 15.27	
19.Tumkur	+ 9.97	+ 5.15	+ 11.12	+ 10.73	+ 20.46	+ 18.76	+ 19.04	+ 21.51	+ 16.58	
20.Uttara Kannada	- 5.27	- 6.69	+ 4.01	+ 5.58	+ 17.37	+ 33.16	+ 23.13	+ 26.38	+ 13.66	

Source:- Directorate of Census Operations in Karnataka, Bangalore.

TABLE NO.1.5

TRENDS IN POPULATION OF INDIA 1901-1991

Census Year	POPULATION Males	(in Females 000's)	Persons	Percent- age of Decinni- al in- crease or De- crease	Sex Ratio (No.of Females per 1000 males)	Percent- age of Urban Popula- tion to total popula- tion
1	2	3	4	5	6	7
1901	1,20,791	1,17,359	2,38,396*	-	972**	10.84
1911	1,28,385	1,23,708	2,52,093	+5.75	964	10.29
1921	1,28,546	1,22,775	2,51,321	-0.31	955	11.18
1931	1,42,930	1,35,789	2,78,977*	+11.00	950**	11.99
1941	1,63,685	1,54,690	3,18,661*	+14.22	945**	13.86
1951	1,85,528	1,75,560	3,61,868	+13.31	946	17.29
1961	2,26,293	2,12,942	4,39,235	+21.51	941	17.97
1971	2,84,049	2,64,111	5,48,160	+24.80	930	19.91
1981	3,54,398	3,30,787	6,85,185	+25.00	933	23.31
1991	4,39,230	4,07,072	8,46,302	+23.85	927	25.73

NOTE :

* = The distribution of population by sex of Pondicherry for 1901 (246354), 1931 (258628) and 1941 (285011) is not available. The figures for these years are therefore exclusive of these population so far as distribution by sex is concerned.

** = Excludes Pondicherry.

Trends in Population in Kolar
→ District Wise 1901-1991

18

TABLE NO.1.6

DISTRIBUTION OF AREA, POPULATION BY SEX, SEX RATIO, DENSITY OF POPULATION, PERCENTAGE OF URBAN POPULATION TO TOTAL POPULATION AND DECINNIAL GROWTH RATE OF POPULATION IN KARNATAKA BY DISTRICT - 1991 CENSUS.

Sl. No.	District	Area(in Sq. KMS) 1991		Population		Rural	Urban	Sex Ratio (No. of males per 1000 Males)	Density of population Sq. KMs	Percentage of Urban population to total Population		Decinnial growth rate (1981-91)
		Census	Persons	Male	Female					10	11	12
1	2	3	4	5	6	7	8	9	10	11	12	
1.	Bangalore	2190	4839162	2542950	2296212	669909	4169253	903	2210	86.16		38.44
2.	Bangalore Rural	5815	1673194	860231	812963	1369908	303286	945	288	18.13		15.23
3.	Belgaum	13415	3583606	1834005	1749601	2741820	841786	954	267	23.49		20.30
4.	Bellary	9885	1890092	961989	928103	1325692	564400	965	191	29.86		26.92
5.	Bidar	5448	1255799	643192	612607	1010096	245703	952	231	19.57		26.12
6.	Bijapur	17069	2927990	1491019	1436971	2239244	688746	964	172	23.52		21.91
7.	Chikmagalur	7201	1017283	514526	502757	845422	171861	977	141	16.89		11.57
8.	Chitradurga	10852	2180443	1121647	1058796	1591765	588678	944	201	27.00		22.67
9.	D. Kannada	8441	2694264	1306256	1388008	1931670	762594	1063	319	28.30		13.36
10.	Dharwad	13738	3503150	1802418	1700732	2279259	1223891	944	255	34.94		18.93
11.	Gulbarga	16224	2582169	1316088	1266081	1972366	609803	962	159	23.62		24.10
12.	Hassan	6814	1569684	785144	784540	1296962	272722	999	230	17.37		15.67
13.	Kodagu	4102	488455	246869	241586	410514	77941	979	119	15.96		5.75
14.	Kolar	8223	2216889	1128316	1088573	1699906	516983	965	270	23.32		16.34
15.	Mandya	4961	1644374	837597	806777	1377570	266804	963	331	16.23		15.96
16.	Mysore	11954	3165018	1620624	1544394	2224724	940294	953	265	29.71		21.92
17.	Raichur	14017	2309887	1166959	1142928	1829765	480122	979	165	20.79		29.49
18.	Shimoga	10553	1909663	974157	935506	1403421	506242	960	181	26.51		15.27
19.	Tumkur	10598	2305819	1177233	1128586	1923656	382163	959	218	16.57		16.58
20.	U. Kannada	10291	1220260	620697	599563	925744	294516	966	119	24.14		13.66
STATE		191791	44977201	22951917	22025284	31069413	13907788	960	235	30.92		21.12

Source:-Directorate of Census Operations in Karnataka, Bangalore.

TABLE NO.1.7
PERCENTAGE OF LITERATE POPULATION IN KARNATAKA BY SEX
- 1991 CENSUS

Sl. No.	District	Persons	Males	Females
1	2	3	4	5
1.	Bangalore	76.27	82.94	68.81
2.	Bangalore Rural	50.17	61.51	38.15
3.	Belgaum	53.00	66.65	38.69
4.	Bellary	45.57	58.71	31.97
5.	Bidar	45.11	58.97	30.53
6.	Bijapur	55.13	69.69	40.06
7.	Chikmagalur	61.05	70.56	51.31
8.	Chitradurga	55.48	66.88	43.36
9.	D.Kannada	75.86	84.40	67.96
10.	Dharwad	58.68	71.37	45.20
11.	Gulbarga	38.54	52.08	24.49
12.	Hassan	56.85	68.87	44.90
13.	Kodagu	68.35	75.35	61.22
14.	Kolar	50.45	62.69	37.75
15.	Mandya	48.15	59.18	36.70
16.	Mysore	47.32	56.23	37.95
17.	Raichur	35.96	49.53	22.15
18.	Shimoga	61.53	71.24	51.42
19.	Tumkur	54.48	66.49	41.93
20.	Uttara Kannada	66.73	76.39	56.77
STATE		56.04	67.26	44.34

Source: Directorate of Census Operations in
Karnataka, Bangalore.

20
TABLE NO.1.8

TIES/URBAN AGGLOMERATIONS WITH A POPULATION OF 1,00,000
AND ABOVE IN KARNATAKA STATE - 1991 CENSUS (PROVISIONAL).

1. Name of City/Urban Agglomeration		TOTAL POPULATION 1991			LITERATE POPULATION 1991*			
		Persons	Males	Females	Sex Ratio	Persons	Males	Females
2		3	4	5	6	7	8	9
1.	Bangalore Urban Agglomeration	4086548	2147978	1938570	903	2817735	1599182	1218553
2.	Mysore Urban Agglomeration	652246	335612	316634	943	435894	240891	195003
3.	Hubli Dharwad (MC)	647640	336272	311368	926	418389	241742	176647
4.	Mangalore Urban Agglomeration	425785	212581	213204	1003	322443	171492	150951
5.	Belgaum Urban Agglomeration	401619	209095	192524	921	278395	159312	119083
6.	Gulbarga Urban Agglomeration	309962	162953	147009	902	183629	110392	73237
7.	Davanagere Urban Agglomeration	287114	150418	136696	909	178386	103317	75069
8.	Bellary (CMC)	245758	126855	118903	937	140806	84197	56664
9.	Bijapur Urban Agglomeration	193038	100181	92857	927	122795	72660	50135
10.	Shimoga Urban Agglomeration	192647	100192	92455	923	131503	73144	58359

Trends in Population in Karnataka
→ District Wise 1901-1991

1	2	3	4	5	6	7	8	9
11.	Tumkur Urban Agglome- ration	179497	97595	81902	839	122291	72227	50064
12.	Raichur Urban Agglome- ration	170500	87764	82736	943	87151	53328	33923
13.	Kolar Gold Field Urban Agglome- ration	156398	79276	77122	973	115657	63312	52345
14.	Bhadravathi Urban Agglome- ration	149131	76715	72416	944	101607	57293	44314
15.	Hospet Urban Agglome- ration	134935	69116	65819	952	72367	43475	28892
16.	Gadag Betgeri (CMC)	133918	68704	65214	949	84342	49573	34769
17.	Bidar Urban Agglome- ration	130804	69365	61439	886	82078	49002	33076
18.	Mandya (CMC)	119970	62284	57686	926	74158	42044	32114
19.	Udupi Urban Agglome- ration	117744	60039	57705	961	92404	49816	42588
20.	Hassan Urban Agglome- ration	108458	56288	52170	927	79035	43746	35289
21.	Chitradurga Urban Agglome- ration.	103345	54016	494329	913	70169	39862	30307

NOTE :-Abbreviation used to indicate civic status of cities:

MC - Municipal Corporation

CMC - City Municipal Council

* - Literates exclude Children in the age group 0 - 6 who are treated as illiterates in the 1991 Census.

TABLE NO.1.9
POPULATION GROWTH OVER LAST 90 YEARS IN KARNATAKA STATE
BY DISTRICT

State/District	Percentage increase between 1901 - 1991
KARNATAKA STATE	243.30
1. Bangalore	1121.89
2. Bangalore Rural	240.46
3. Belgaum	211.21
4. Bellary	211.24
5. Bidar	249.86
6. Bijapur	222.74
7. Chikmagalur	183.03
8. Chitradurga	326.47
9. Dakshnina Kannada	199.66
10. Dharwad	180.50
11. Gulbarga	191.47
12. Hassan	175.33
13. Kodagu	168.67
14. Kolar	204.98
15. Mandya	240.59
16. Mysore	241.31
17. Raichur	215.79
18. Shimoga	256.43
19. Tumkur	242.58
20. Uttara Kannada	167.94

Source :- 1991 Census (Provisional)

TABLE NO.1.10

**SCHEDULED CASTES AND SCHEDULED TRIBES POPULATION IN KARNATAKA
STATE BY DISTRICT (1991 CENSUS)**

Sl. No. District	Population		Percentage of		
	Total Popula- tion	Sched- uled caste	Sche- duled Tribes	S.C Population to total	S.T Population to total
1. Bangalore	4839162	711775	53631	14.71	1.11
2. Bangalore(R)	1673194	326599	49305	19.52	2.95
3. Belgaum	3583606	406955	83076	11.36	2.32
4. Bellary	1890092	365154	166693	19.32	8.82
5. Bidar	1255799	260033	104215	20.71	8.30
6. Bijapur	2927990	509862	39535	17.41	1.35
7. Chikmagalur	1017283	195852	26534	19.25	2.61
8. Chitradurga	2180443	432668	318381	19.84	14.60
9. D.Kannada	2694264	175548	106159	6.52	3.94
10. Dharwad	3503150	410499	105099	11.72	3.00
11. Gulbarga	2582169	610641	106935	23.65	4.14
12. Hassan	1569684	273379	16581	17.42	1.06
13. Kodagu	488455	59009	40312	12.08	8.25
14. Kolar	2216889	570400	153019	25.73	6.90
15. Mandya	1644374	226626	11936	13.78	0.73
16. Mysore	3165018	597921	102102	18.89	3.23
17. Raichur	2309887	397923	180272	17.23	7.80
18. Shimoga	1909663	337921	74106	17.70	3.88
19. Tumkur	2305819	408524	167632	17.72	7.27
20. U.Kannada	1220260	91990	10168	7.54	0.83
KARNATAKA	44977201	7369279	1915691	16.38	4.26

TABLE NO.1.11

MEAN AGE AT MARRIAGE OF FEMALES IN KARNATAKA STATE BY
DISTRICTS(1981)

Sl.No.	State/District	Mean age (Years)
	KARNATAKA	19.41
1.	Bangalore	20.18
2.	Belgaum	18.35
3.	Bellary	18.11
4.	Bidar	17.65
5.	Bijapur	17.31
6.	Chikmagalur	20.82
7.	Chitradurga	19.18
8.	Dakshina Kannada	22.43
9.	Dharwad	19.25
10.	Gulbarga	17.50
11.	Hassan	20.24
12.	Kodagu	21.75
13.	Kolar	19.08
14.	Mandya	18.47
15.	Mysore	19.27
16.	Raichur	17.48
17.	Shimoga	20.53
18.	Tumkur	19.22
19.	Uttara Kannada	21.23

Source :- Population Centre, Bangalore.

CHAPTER - II

HEALTH SITUATION IN KARNATAKA STATE

HEALTH SITUATION IN KARNATAKA STATE

GENERAL

Health is an asset of every Community. The well being of the people is the very important foundation of the strength and prosperity of the Nation. It is also an essential component of Industrial, Economic and Social Development. Disease and poverty causes adverse effect on the human energy. Depletion of human energy leads to low productivity and low earning capacity which ultimately leads to the low standard of Health.

SITUATION

Karnataka State, especially erstwhile Mysore State has been pioneer in formulating and providing comprehensive Public Health Services to its people. It had done commendable work in the control of communicable diseases, especially Malaria. Even before the establishment of PHCs of Government of India Pattern, the State had made the beginning in this direction by establishing Primary Health Units which played a prominent role in providing Comprehensive Health care including environmental sanitation in Rural areas.

Consequent to the re-organisation of States in 1956 and formation of the new State of Karnataka with the merger of some of the Kannada speaking areas from the Neighbouring States which were lacking in Medical and Health facilities, the State had to put in special

efforts to improve the Health and Medical facilities in these areas. As a result, in a short period of time, it was possible to establish high standard of Health and Medical Services through out the State. The State continued to persue its policy of expansion and providing more and better Health facilities to the people, especially in Rural Areas, by successfully implementing various National and State Health Programmes.

PRIMARY HEALTH CARE:

Primary Health Care would be the key to the success of the Health for all by 2000 A.D and it has to be an integral part of the Country's Health System, of which it should be Central function and the main agent for delivering Health Care. For attaining the desired level of Health, every individual must have access to Primary Health Care and through it to all levels of comprehensive Health system.

• The Services under Primary Health Care includes the following:-

1. Education concerning Health problems and methods to prevent and control them.
2. Promotion of adequate supply of Food and of proper Nutrition.
3. An adequate supply of safe drinking water and basic sanitation.
4. Maternal and Child Health Care including Family Planning.
5. Immunisation against infectious diseases.

6. Prevention and control of local endemic diseases.
7. Appropriate Treatment of Common Diseases and injuries.
8. Provision of essential drugs.

MINIMUM NEEDS PROGRAMME:-

During the V Five Year Plan, Minimum Needs Programme was introduced. It is the commitment of the Government for Social and Economic Development of the community particularly the under served and under-privileged segment of the population. It is a broad intersectoral Master Plan providing minimum basic needs of the people. Rural Health is one of the components under the Minimum Needs Programme concerned to the Health Sector.

To fall in line with the Government of India guidelines in the implementation of Minimum Needs Programme (Rural Health) the State has revised its Health Policy and decided to establish only 3 tier Health infrastructure viz., Sub Centre , Primary Health Centre and Community Health Centre.

The existing Primary Health Units are being upgraded into Primary Health Centres in a phased manner. Wherever there are no Primary Health Units functioning, New Primary Health Centres will be established with full complement of Staff and Building depending on careful judgements.

The various Programmes/Schemes covered under Health Sector in the State are as follows:-

1. Health Guides Scheme.
2. Multipurpose workers Scheme.
3. Training and Employment of Multipurpose Workers(Male)
4. Community Health Centres/Upgraded Primary Health Centres/Taluk Hospitals.
5. Primary Health Centres.
6. Primary Health Units.
7. Primary Health Units with Maternity Beds.
8. Establishment of Sub-Centres.
9. Tribal Sub-Plan and Special Component Plan.

PROVIDING PUBLIC HEALTH FACILITIES FOR THE UP-LIFTMENT OF THE RURAL POPULATION:

I.COMMUNITY HEALTH CENTRE:

It is the intention of Government of India and State Government to establish a Community Health Centre for one lakh population/one Community Health Centre out of every 4 Primary Health Centres. It is the policy of the Government to upgrade all the Taluk Level Institutions to 30 Bedded Hospitals and Taluks located at Sub-Divisional Head-quarters into 50 Bedded Hospitals. These Institutions will serve as Rural Referral Hospitals for the Population living in Rural Areas.

In the 30 Bedded Hospitals there will be a minimum of 4 specialities viz.,

1. General Medicine
2. General Surgery
3. Obstetric and Gynaecology
4. Dental Surgery

In the 50 Bedded Hospitals in addition to these specialities there is an ENT Specialist and a Paediatrician.

II. PRIMARY HEALTH CENTRE;

The Primary Health Centre provide all the Basic Health Services which include Curative, Preventive and Promotive Health Services. All the National and State Health Programmes are also being provided through the Primary Health Centres.

As per the guidelines given by the Government of India, ultimately there will be a Primary Health Centre for every 30,000 Population by the year 2000 A.D. However, there will be one Primary Health Centre for every 30,000 Population in Plain areas and one Primary Health Centre for every 20,000 Population in Hilly and Tribal areas, so that services can be provided to the Rural People as nearer to their Villages as possible. Every Primary Health Centre is supplied with drugs worth Rs.30,000 annually.

III. PRIMARY HEALTH UNIT;

In Karnataka, there is a chain of Institutions known as Primary Health Units which also provide Curative,

Preventive and Promotive Health Services. It is proposed to upgrade these Institutions to Primary Health Centres in a phased manner by providing minimum additional inputs.

Each Primary Health Unit covers approximately a population of 15 to 20 thousand. Drugs worth Rs.20,000/- is supplied to every Primary Health Unit annually.

IV. HEALTH SUB-CENTRES:

It is the intention of Government of India and State Government to have one Health Sub-Centre for every 5,000 Population in Plain areas and one Sub-Centre for every 3,000 Population in the Hilly and Tribal areas. Each Sub-Centre is managed by one Junior Health Assistant (Female) and one Junior Health Assistant(Male) and drugs worth Rs.2,000/- per annum are supplied for treatment of minor ailments.

TRIBAL SUB-PLAN AND SPECIAL COMPONENT PLAN:

As per 1991 Census, Karnataka State had a Scheduled Caste population of 73,69,279 and Scheduled Tribe population of 19,15,691. The Scheduled Tribe population is concentrated in four Districts namely Mysore, Dakshina Kannada, Kodagu and Chikmagalur and the Scheduled Caste Population is scattered all over the 20 Districts.

Health Care and Medical facilities are extended to the Forest and Remote Tribal habitants and predominantly Scheduled Caste areas through Primary Health Centres, Primary Health Units, Mobile Units and A.N.M. Centres.

To provide the Medical Services regularly to these population ANM staff quarters are constructed in the Tribal areas and the staff working in the Tribal areas are paid 10% of the basic pay as an additional incentive.

INTEGRATED CHILD DEVELOPMENT SERVICES (ICDS) SCHEME:

This Programme is implemented in the State since 1975-76 with the co-ordination of the Department of Health and Family Welfare and the Department of Social Welfare. The beneficiaries of the Programme are children upto 6 years of age, pregnant women and nursing mothers. The services are extended through the peripheral Health Institutions and Anganawadi Centres of the Social Welfare Department. The package of services envisaged comprises:

1. Supplementary Nutrition
2. Immunisation
3. Health Checkup
4. Referral Services
5. Health and Nutrition Education and
6. Non formal Education of children through Anganawadis.

165 ICDS projects have so far been sanctioned. 148 are in functional status and 17 projects are in preparatory phase. out of these 148 projects 7 are Tribal, 9 are Urban and 132 are Rural projects.

MENTAL HEALTH PROGRAMME:

Mental Health Programme is being implemented in

Bellary District since 1985. The programme was extended to 6 Districts viz., Bijapur, Dharwad, Kolar, Chikmagalur, Dakshina Kannada, Chitradurga during the year 1991-92. The implementation of this programme is likely to be extended to all the Districts in a phased manner.

The activities of the Mental Health Programme are:

1. Training the Medical Officers and Para Medical Staff in Mental Health Programme.
2. Identifying the mentally ill persons and assessment of Nature of illness.
3. Treating the patients with advice and with required drugs and also
4. Follow-up action.

For effective implementation of the programme, the Doctors as well as Para Medical Staff at the grass-root level i.e., at PHC and PHU's level have been given training in Mental Health Programme. The training is being given at NIMHANS, Bangalore and Mental Hospital, Dharwad. As on to-day about 312 Doctors have been trained in this programme besides giving training to the Para Medical Staff of the PHCs and PHUs.

Further, the drugs which are required for treating the mentally ill patients is being supplied adequately and in case of some districts additional budget for drugs has also been provided.

HEALTH FACILITIES IN KARNATAKA STATE AS ON 31.3.1995.

As on 31.3.1995 there are 293 Hospitals with a

33

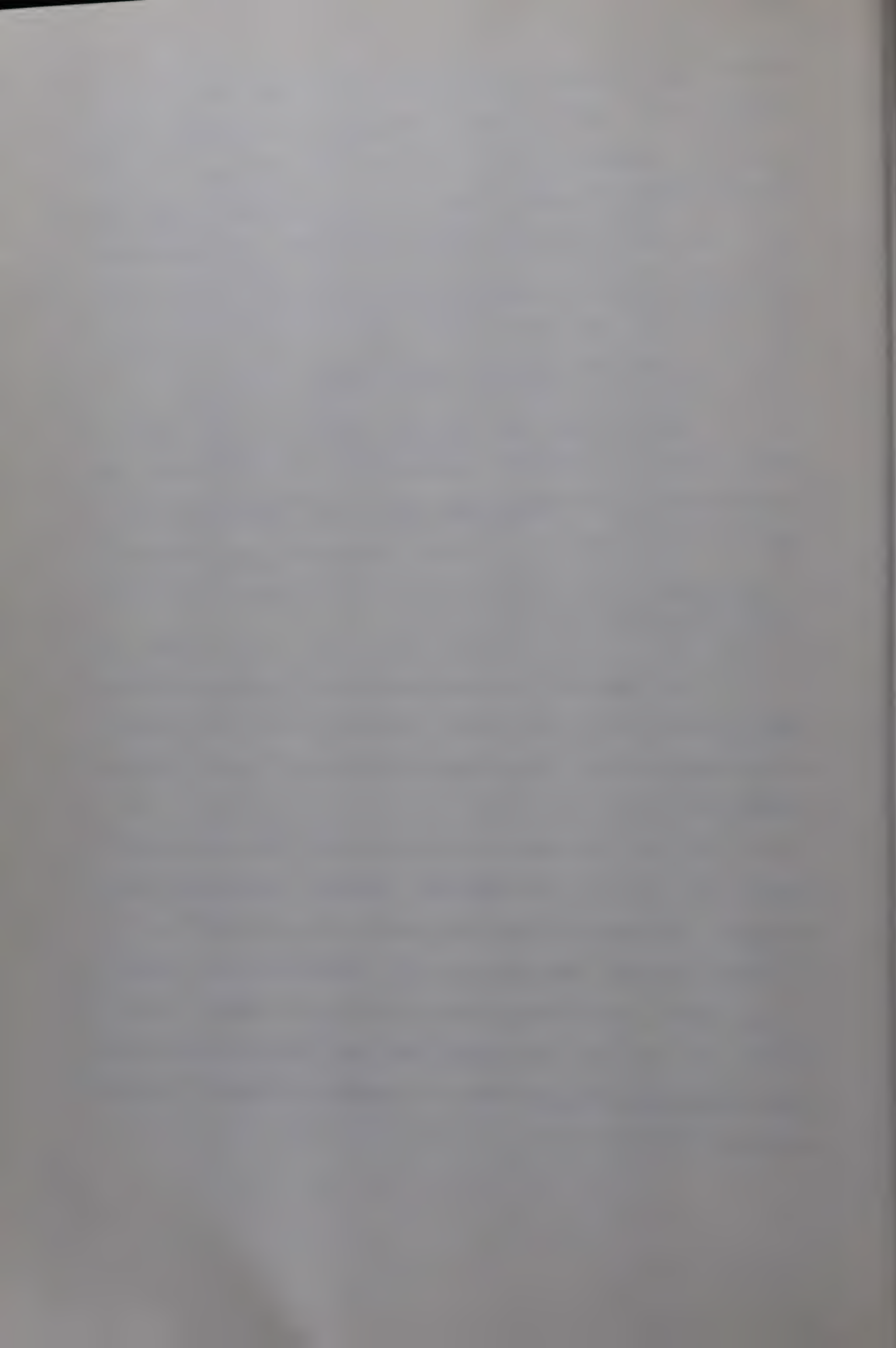
total bed strength of 38449 rendering Health Care Services to its people in the State of Karnataka. Of these 293 Hospitals, 176 are run by Government with a sanctioned bed strength of 23,193, 13 by Central Government with 1854 beds, 7 by E.S.I with 1125 beds, 4 by Autonomous with 1228 beds, 9 by other Department of Government with 336 beds, 28 by Local Bodies with 714 beds and 56 by Private Organisations with 9,999 beds.

Apart from these Hospitals there are 208 Dispensaries with a total bed strength of 121. Of these 208 Dispensaries, 13 Dispensaries are run by Central Government, 129 by E.S.I., 30 by other Departments of Government with 52 beds, 25 by Local Bodies with 65 beds and 11 by Private Organisations with 4 beds.

In addition to these Hospitals and Dispensaries there are 1459 Primary Health Centres and 600 Primary Health Units with a total bed strength of 12,671 and 866 respectively.

As on 31.3.1995 considering only the Government Health and Medical Institutions and its sanctioned bed strength, the Institution population ratio works out to 1 : 21911 and bed Population ratio works out to 1 : 1333.

When considered all the Health & Medical Institutions and its beds strength, the institution population ratio works out to 1 : 19129 and bed population ratio works out to 1 : 940.



Health
&
fed
nit.
by
govt.
in
ar

TABLE NO.2.1
HEALTH AND MEDICAL INSTITUTIONS BY MANAGEMENT IN KARNATAKA
STATE AS ON 31.3.1995

Institutions by Management	RURAL		URBAN		TOTAL	
	Institu- tions	Beds	Institu- tions	Beds	Institu- tions	Beds
2	3	4	5	6	7	8
<u>I. HOSPITALS</u>						
1. State Government	8	417	168	22776	176	23193
2. Central Government	1	25	12	1829	13	1854
3. E.S.I	-	-	7	1125	7	1125
4. Autonomous	-	-	4	1228	4	1228
5. Other Departments	2	26	7	310	9	336
6. Local Body	-	-	28	714	28	714
7. Private	14	2547	42	7452	56	9999
TOTAL	25	3015	268	35434	293	38449
<u>II. DISPENSARIES;</u>						
1. Central Government	2	-	11	-	13	-
2. E.S.I	11	-	118	-	129	-
3. Other Departments	25	48	5	4	30	52
4. Local Body	3	21	22	44	25	65
5. Private	7	4	4	-	11	4
TOTAL;-	48	73	160	48	208	121
<u>III. PRIMARY HEALTH UNITS (PHUs)</u>						
	527	570	73	296	600	866
<u>IV. PRIMARY HEALTH CENTRES (PHCs)</u>						
	1374	10397	85	2274	1459	12671
GRAND TOTAL:-	1974	14055	586	38052	2560	52107

TABLE NO.2.2

HEALTH AND MEDICAL INSTITUTIONS BY MANAGEMENT AND BY DISTRICT IN KARNATAKA STATE AS ON 31.3.1995.

Sl. No.	District	State Government		Central Government		E.S.I		Other Department *		Private		To- tal
		Hosp.,	PHCs.	Hospital	PHUs.	Hosp.,	Disp.,	Hospital	Dispensary	Hosp. Disp.,	Disp.,	
1.	Bangalore	12	29	6	42	2	49	33	12	14	2	203
2.	Bangalore Rural	4	64	-	29	-	6	1	1	-	-	105
3.	Belgaum	9	118	-	13	-	11	-	5	6	-	162
4.	Bellary	12	58	1	24	4	4	1	3	-	-	107
5.	Bidar	5	38	-	13	-	-	-	1	1	1	59
6.	Bijapur	12	93	-	4	-	2	1	2	1	-	115
7.	Chikmagalur	5	43	1	42	-	-	-	2	1	-	94
8.	Chitradurga	7	78	-	49	1	5	-	2	1	-	142
9.	D.Kannada	10	119	-	16	1	10	-	1	-	7	168
10.	Dharwad	17	91	1	34	1	9	-	3	7	-	163
11.	Gulbarga	12	92	-	25	1	9	1	-	1	1	142
12.	Hassan	7	69	-	53	-	1	-	-	3	-	135
13.	Kodagu	8	28	-	4	-	-	-	6	4	-	50
14.	Kolar	10	72	2	37	-	4	-	1	4	-	130
15.	Mandya	6	59	-	38	-	2	2	2	-	-	109
16.	Mysore	9	126	2	59	1	10	1	1	3	1	213
17.	Raichur	9	74	-	8	-	3	-	1	-	1	97
18.	Shimoga	7	66	-	50	-	1	1	10	2	2	140
19.	Tumkur	4	86	-	40	-	1	-	-	-	-	131
20.	U.Kannada	11	56	-	20	1	2	-	3	2	-	95
TOTAL		176	1459	13	600	7	129	41	55	56	11	2560

NOTE :- * Other Department includes Local Body, Autonomous and other Departments like Police, Prison, Forest etc.

TABLE NO.2.3

SANCTIONED BED STRENGTH IN HEALTH AND MEDICAL INSTITUTIONS BY MANAGEMENT AND BY DISTRICT IN KARNATAKA STATE
AS ON 31.3.1995.

Sl. No.	District	State Government		Central Government		E.S.I		Other Department *		Private		Total	
		Hosps.	PHCs.	PHUs.	Hosps.	Disps.	Hosps.	Disps.	Hosps.	Disps.	Hosps.	Disps.	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1.	Bangalore	4327	380	35	1244	-	800	-	1948	-	3417	4	12155
2.	Bangalore Rural	210	702	26	-	-	-	-	20	-	-	-	958
3.	Belgaum	1060	832	36	-	-	-	-	-	27	986	-	2941
4.	Bellary	1350	429	4	25	-	-	-	26	-	-	-	1834
5.	Bidar	443	282	37	-	-	-	-	-	-	50	-	812
6.	Bijapur	906	704	60	-	-	-	-	32	-	53	-	1755
7.	Chikmagalur	479	420	44	50	-	-	-	-	-	100	-	1093
8.	Chitradurga	1665	788	6	-	-	50	-	-	-	-	-	2509
9.	D.Kannada	1656	945	10	-	-	100	-	-	12	2890	-	5613
10.	Dharwad	1901	754	55	137	-	50	-	-	32	629	-	3558
11.	Gulbarga	1190	658	60	-	-	-	-	20	-	92	-	2020
12.	Hassan	820	651	102	-	-	-	-	-	-	150	-	1723
13.	Kodagu	950	323	-	-	-	-	-	-	-	94	-	1367
14.	Kolar	1127	696	31	302	-	-	-	-	-	356	-	2512
15.	Mandya	558	628	36	-	-	-	-	26	2	-	-	1250
16.	Mysore	2207	1123	172	96	-	100	-	6	-	965	-	4669
17.	Raichur	478	610	-	-	-	-	-	-	-	-	-	1088
18.	Shimoga	722	582	94	-	-	-	-	200	16	167	-	1781
19.	Tumkur	508	744	38	-	-	-	-	-	-	-	-	1290
20.	U.Kannada	636	420	20	-	-	25	-	-	28	50	-	1179
TOTAL		23193	12671	866	1854	-	1125	-	2278	117	9999	4	52107

NOTE:- * Other Department includes Local Body, Autonomous and other Departments like Police, Prison, Forest, etc.

TABLE NO.2.4

HEALTH AND MEDICAL INSTITUTIONS (GOVERNMENT ONLY) IN
KARNATAKA STATE AS ON 31.3.1995

1. No. of Hospitals	- 176
2. No. of Primary Health Centres	- 1459
3. No. of Primary Health Units	- 600
4. Total No. of Institutions	- 2235
5. Total No. of Beds	-36730

UPGRADED INSTITUTIONS (CHS's,) PRIMARY HEALTH CENTRES
& PRIMARY HEALTH UNITS AS ON 31.3.1995

	Taluk Level	Below Taluk Level	Total
General Hospitals	99	16	115+1
Primary Health Centres	48	50	98+1
Primary Health Units	1	8	9
Total	148	74	222+2*

*Duplicate

39
TABLE NO.2.5

**NO.OF HEALTH AND MEDICAL INSTITUTIONS AND SANCTIONED BEDS
(GOVERNMENT ONLY) BY DISTRICT IN KARNTAKA STATE
AS ON 31.3.1995**

Sl. District No.	Hospitals		P.H.Cs		P.H.U.s		Total	
	No.	Beds	No.	Beds	No.	Beds	No.	Beds
1.Bangalore	12	4327	29	380	42	35	83	4742
2.Bangalore Rural	4	210	64	702	29	26	97	938
3.Belgaum	9	1060	118	832	13	36	140	1928
4.Bellary	12	1350	58	429	24	4	94	1783
5.Bidar	5	443	38	282	13	37	56	762
6.Bijapur	12	906	93	704	4	60	109	1670
7.Chikmagalur	5	479	43	420	42	44	90	943
8.Chitradurga	7	1665	78	788	49	6	134	2459
9.D.Kannada	10	1656	119	945	16	10	145	2611
10.Dharwad	17	1901	91	754	34	55	142	2710
11.Gulbarga	12	1190	92	658	25	60	129	1908
12.Hassan	7	820	69	651	53	102	129	1573
13.Kodagu	8	950	28	323	4	-	40	1273
14.Kolar	10	1127	72	696	37	31	119	1854
15.Mandya	6	558	59	628	38	36	103	1222
16.Mysore	9	2207	126	1123	59	172	194	3502
17.Raichur	9	478	74	610	8	-	91	1088
18.Shimoga	7	722	66	582	50	94	123	1398
19.Tumkur	4	508	86	744	40	38	130	1290
20.U.Kannada	11	636	56	420	20	20	87	1076
Total	176	23,193	1,459	12,671	600	866	2,235	36,730

TABLE NO. 2.6

NUMBER OF SUB-CENTRES BY DISTRICT IN KARNATAKA STATE
AS ON 31.3.1995

Sl.No.	District	No.of Sub_Centres
1.	Bangalore	137
2.	Bangalore Rural	283
3.	Belgaum	593
4.	Bellary	255
5.	Bidar	227
6.	Bijapur	441
7.	Chikmagalur	331
8.	Chitradurga	449
9.	D.Kannada	700
10.	Dharwad	586
11.	Gulbarga	492
12.	Hassan	458
13.	Kodagu	162
14.	Kolar	368
15.	Mandya	372
16.	Mysore	680
17.	Raichur	364
18.	Shimoga	372
19.	Tumkur	411
20.	U.Kannada	312
	Total	7,993

1996-97 total 8043

CHAPTER - III

MEDICAL DEVELOPMENT PROGRAMME



MEDICAL DEVELOPMENT PROGRAMME

The District Hospitals are taking part not only in the curative aspect of diseases but also in the preventive and promotive aspects. Medical relief is rendered through various types of institutions viz., District Hospitals, Major Hospitals and Epidemic Diseases Hospitals.

Thirteen District Hospitals located at District Head Quarters come under non-teaching cadre. There are seven Major Hospitals, eight specialised Hospitals and three Epidemic Diseases Hospitals which also come under non-teaching cadre. Of the thirteen District Hospitals except District Hospital, Dharwad, the other District Hospitals have got a minimum of 250 beds.

Each District Hospital has got the following specialities:-

1. Medicine
2. Surgery
3. Obstetric and Gynaecology
4. Paediatric
5. Orthopaedic
6. Ophthalmology
7. Ear, Nose and Throat
8. Skin and STD
9. Pathology and Bacteriology
10. Radiology
11. Anaesthesia
12. Dentistry

The Specialist Department in the District Hospitals are catering the needs of the patients coming directly as well as those referred from smaller peripheral rural centres and moffusil Hospitals. The District Hospital serve as referral Hospitals to the Peripheral Institutions.

Burns and Casualty Wards have been established in the S.C.Hospital,Hassan, McGann Hospital,Shimoga,S.N.R Hospitals, Kolar and District Hospital, Bijapur.

Sexually Transmitted Diseases Clinics are functioning in all the District Hospitals and also in the General Hospitals of Udupi, K.G.F and Kollegal.

Psychiatric Clinics are functioning in the District Hospitals at Shimoga, Hassan, Bidar, Karwar, Bijapur, Chitradurga and also in K.C.General Hospital, Bangalore. Physiotherapy Units are functioning in the District Hospitals at Shimoga,Hassan,Tumkur, Chitradurga, Kolar, Mandya and Bijapur. Physiotherapy Units is also functioning in K.C.General Hospital,Bangalôre and General Hospital, Jayanagar. All the Teaching Hospitals have got Physiotherapy Units.

The Emergency and Casualty Departments work round the clock.

Blood Bank Services are being provided in all the District Hospitals and all Major Hospitals of the State subject to the availability of funds.

Radiology Services are available in all the District Hospitals, Major Hospitals and in many taluk level Hospitals.

Dental Clinics are established in all the District Hospitals, Major Hospitals and in many Taluk Level Hospitals.

Epidemic Diseases Hospitals which are functioning at Bangalore, Mysore, and K.G.F are special type of Institutions. These Hospitals are meant for epidemic diseases like Cholera, Gastroenteritis, Diptheria, Tetanus, Whooping Cough, Rabies, Measles, Chickenpox and other infectious diseases.

HEALTH EQUIPMENT REPAIR AND MAINTENANCE UNIT

This Unit maintains X-Ray Machines and other equipments that have been supplied to various Government Health & Medical Institutions.

HOSPITAL PHARMACY

Seventeen Hospital Pharmacy Units are sanctioned in the State and of which 14 Hospital Pharmacy Units are functioning in Major Hospitals.

OBJECTIVES:

1. To manufacture life saving I.V. Fluids such as Dextrose Saline and Normal Saline required for use in Hospitals.
2. To organise a technically sound dispensing Section, quality control system, Central Sterile Supply Division and Store practice in the Hospital.
3. To develop a Drug Information Service for the benefit of the Hospital Staff and the patients/patients attendants.



TABLE NO.3.1

**BED STRENGTH IN DISTRICT HOSPITALS IN KARNATAKA STATE
AS ON 31.3.1995**

<u>DISTRICT HOSPITALS</u> (Under the Control of DH & FWS)		<u>BED STRENGTH</u>
1. District Hospital, Bidar	..	283
2. District Hospital, Bijapur	..	316
3. General Hospital, Chikmagalur	191	279
Women and children Hospital, Chikmagalur	88	
4. District Hospital, Chitradurga	..	405
5. District Hospital, Dharwad	..	170
6. S.C.Hospital, Hassan	..	344
7. District Hospital, Madikeri	200	410
Women and Children Hospital, Madikeri	210	
8. S.N.R.Hospital, Kolar		260
9. District Hospital, Mandya		250
10. District Hospital, Raichur		250
11. Mcgann Hospital, Shimoga		429
12. District Hospital, Tumkur		325
13. District Hospital, Karwar		250

		3,971

TABLE NO.3.2

**BED STRENGTH IN MAJOR HOSPITALS, SPECIALISED HOSPITALS
AND E.D.HOSPITALS IN KARNATAKA STATE AS ON 31.3.1995.**

Sl.No.	Name of the Institutions	Bed Strength
--------	--------------------------	--------------

MAJOR HOSPITALS

1.	General Hospital, Jayanagar, Bangalore	300
2.	HSIS Women & Children Hospital, Bangalore	120
3.	K.C.General Hospital, Malleswaram, Bangalore	433
4.	Women & Children Hospital, Chikmagalur	88
5.	Women & Children Hospital, Madikeri	210
6.	General Hospital, K.G.F.	110
7.	Women & Children Hospital, K.G.F	65

SPECIALISED HOSPITALS

1.	Leprosy Hospital, Bangalore	260
2.	T.B.Hospital, Old Madras Road, Bangalore	234
3.	T.B.Hospital, Bijapur	110
4.	T.B.Hospital, Mudashedde, Mangalore, D.K	100
5.	Mental Hospital, Dharwad	375
6.	M.G.M TB.Hospital, Mallasamudra, Gadag, TQ., Dharwad District.	62
7.	K.N.T.B.Hospital, Kolar	264
8.	T.B.Hospital, Mandya	148

E.D.HOSPITALS

1.	Epidemic Diseases Hospital, Bangalore	128
2.	Epidemic Diseases Hospital, K.G.F	24
3.	Epidemic Diseases Hospital, Mysore	40

TABLE NO.3.3

SPECIALISED HOSPITALS AND INSTITUTIONS

A.SPECIALISED HOSPITALS AS ON 31.3.1995.

1. Minto Ophthalmic Hospital	1 (Government)
2. T.B.Hospitals	13 (Government-10 Private - 3)
3. Leprosy Hospital	1 (Government)
4. Mental Hospitals	2 (Government - 1 Autonomous - 1)
5. Cancer Hospitals	2 (Autonomous - 1 Private - 1)
6. Jayadeva Institute of Cardiology	1 (Autonomous)
7. Sanjay Gandhi Institute of Accident Rehabilitation and Physical Medicine	1 (Autonomous)
8. Epidemic Disease Hospitals	3 (Government)

B.SPECIALISED INSTITUTIONS LIKE CLINICS,CENTRES,UNITS ETC., AS ON 31.3.1995.

1. Central Malaria Laboratory	-	1
2. Drug Distribution Centres (DDCs)	-	1730
3. Fever Treatment Depots(FTDs)	-	1991
4. Urban Malaria Centres	-	8
5. Filaria Survey Unit	-	1
6. Filaria Clinics	-	24
7. Filaria Control Units	-	7
8. Virus Diagnostic Laboratory, Shimoga	-	1
9. KFD Trial Vaccine Unit, Shimoga	-	1
10. Cholera Combat Teams	-	5
11. Mobile Ophthalmic - cum -Dental Units	-	4

	- 3
12. General Hospitals	
13. District Mobile Ophthalmic Units	- 25
14. Eye Banks	- 4 (3 Government 1 Private)
15. Lady Willingdon State T.B. Centre, Bangalore.	- 1
16. District T.B. Centres	- 25
17. District Leprosy Offices	- 18
18. Urban Leprosy Centres	- 49
19. Leprosy Control Centres	- 31
20. Modified Leprosy Control Units	- 14
21. Survey, Education and Treatment (SET) Centres	- 675
22. Epidemiological Surveillance Team	- 1
23. Sample Survey - cum - Assessment Units	- 4
24. Temporary Hospitalisation Wards (20 Bedded) Leprosy	- 22
25. Reconstructive surgery Units-Leprosy	- 6
26. Leprosy Rehabilitation Promotion Units	- 3
27. Voluntary Organisations	- 25
28. Mobile Nutrition Education and De- monstration Units	- 5
29. Public Health Institute, Bangalore	- 1
30. Divisional Food Laboratories	- 4
31. District Laboratories	- 19
32. Regional Assistant Chemical Examiners Laboratories	- 9
33. Vaccine Institute, Belgaum	- 1

34. Hospital Pharmacy	- 19
35. Sexually Transmitted Disease Clinics	- 25
36. Psychiatric Clinics	- 14
37. Dental Clinics	- 127 + 4 Mobile Ophthalmic-cum- Dental Units.
38. Burns Wards	- 6
39. Blood Banks	- 91 (38 Government + 4 Autonomous + 49 Private)
40. Ambulance Facilities available in No. of Institutions.	- 54
41. Mobile Medical Units	- 4
42. X - Ray Plants	- 339
Taluk Level	- 320
Below Taluk Level	- 19

TABLE NO.3.4

HOSPITAL PHARMACIES SANCTIONED IN KARNATAKA STATE	
Sl.No.	Name of Institution
	Plan/Non-plan
1.	Victoria Hospital, Bangalore
2.	Bowring & Lady Curzon Hospital, Bangalore
3.	K.R.Hospital, Mysore
4.	District Hospital, Gulbarga
5.	Wenlock District Hospital, Mangalore
6.	Chigateri General Hospital, Davanagere
7.	K.M.C.Hospital, Hubli
8.	Medical College Hospital, Bellary
9.	District Hospital, Belgaum
10.	McGann Hospital, Shimoga
11.	District Hospital, Bidar
12.	District Hospital, Chitradurga
13.	District Hospital, Mandya
14.	District Hospital, Bijapur
15.	District Hospital, Raichur *
16.	District Hospital, Karwar *
17.	S.N.R.Hospital, Kolar **
18.	Sri.Chamarajendra Hospital, Hassan *
19.	District Hospital, Tumkur*

NOTE;- * - Not commissioned for want of building.

** - Building work completed

TABLE NO.3.5

PERFORMANCE UNDER HOSPITAL PHARMACY

PRODUCTION OF I.V.FLUID

Year	Capacity	No.of Bottles Manufactured
1990-91	14,94,000	3,98,149
1991-92	6,69,600	3,97,527
1992-93	6,64,000	4,67,458
1993-94	16,00,000	7,39,587
1994-95	16,00,000	9,69,712

SEXUALLY TRANSMITTED DISEASES (STD) CONTROL PROGRAMME

TABLE NO.3.6

SEXUALLY TRANSMITTED DISEASES (STD) CASES SEEN AND TREATED
IN STD CLINICS IN KARNATAKA STATE FROM 1990 TO 1994.

YEAR	CASES
1990	59,499
1991	60,023
1992	48,218
1993	46,997
1994	31,253

ES-106

04898

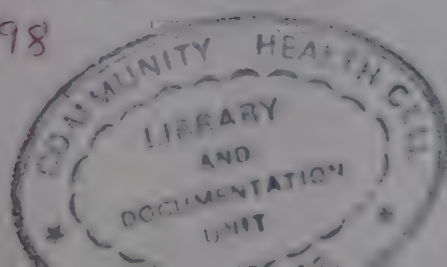


TABLE NO.3.7
STD CASES SEEN AND TREATED - DISEASE-WISE AND INSTITUTION-WISE
IN KARNATAKA STATE DURING THE YEAR 1994. (P)

IN KARNATAKA		DISEASES								
SL. NO.	INSTITUTIONS	SYPHILIS				GONO-CHAN- RRHO CROID		LYMPHO-	GRANUL-	
		PRI- MARY	SE- CON DA RY	LA- TE NT	CO- NG ENI TAL	LA- TE	EA	GRANUL	OMA VEN	EREUM OR
								EREUM	EREUM	DONOYAN OSIS
		1				2	3	4	5	
1.	Victoria Hospi- tal, Bangalore	144	113	3	1	-	158	199	84	38
2.	Bowring and Lady Curzon Hospital, Bangalore	-	-	-	-	-	-	-	-	-
3.	District Hospi- tal, Belgaum	37	71	-	-	-	29	124	11	7
4.	District Hospi- tal, Bidar	9	64	11	-	-	11	8	1	34
5.	District Hospi- tal, Bijapur	40	24	-	-	-	12	83	53	9
6.	District Hospi- tal, Chikmagalur	46	3	-	-	-	71	21	30	56
7.	District Hospi- tal, Chitradurga	62	48	-	-	-	23	47	10	18
8.	C.G.Hospital Davanagere	42	34	24	-	-	134	76	65	144
9.	District Hospi- tal, Mangalore	79	61	-	-	-	50	47	22	3
10.	General Hospi- tal, Udupi	2	3	2	-	-	-	-	-	-
11.	District Hospi- tal, Dharwad	15	7	4	-	-	21	20	53	36
12.	K.M.C.Hospital Hubli	41	106	27	2	2	50	199	47	47
13.	District Hospi- tal, Gulbarga	12	10	-	-	-	52	54	-	46
14.	District Hospi- tal, Hassan	19	104	50	-	-	49	75	34	21
15.	District Hospi- tal, Madikeri	-	-	-	-	-	1	1	2	-
16.	S.N.R.Hospital Kolar	424	203	-	-	-	371	375	248	183
17.	General Hospital K.G.F	595	-	-	-	-	-	-	-	-
18.	District Hospital Mandya	19	11	-	3	32	37	7	2	6

			1		2	3	4	5	
19.K.R.Hospital	21	47	20	-	3	78	112	18	-
Mysore									
20.District Hospital	89	59	-	-	-	158	212	85	71
Raichur									
21.District Hospital	42	20	-	-	-	42	77	27	1
Shimoga									
22.District Hospital	32	9	-	-	-	31	17	10	46
Tumkur									
23.District Hospital	16	13	-	-	-	91	84	53	4
Karwar									
24.STD.Clinic, Ankola	2	17	-	-	52	55	-	-	116
25.General Hospital	42	-	-	-	8	4	31	12	18
Kollegal									
26.Medical College									
Bellary	4	12	-	-	-	145	66	94	9
TOTAL	1834	1039	141	6	97	1673	1935	961	913

D I S E A S E S									
SL. NO.	INS-TITUTIONS	NON-GONOCOCCAL URETHRITIS	TRICHOMONAS VAGINALIS URETHRITIS	TRICHOMONAS VAGINITIS	MONILIASIS	BALANOPSIHITIS	HERPES PROGENITALIS	MOLLUSCUM CUM COCCUM	SCABIES
	6	7	8	9	10	11	12	13	
1.	107	37	31	31	100	123	58	41	
2.	-	-	-	-	-	-	-	-	
3.	23	-	-	2	17	12	11	25	
4.	268	873	671	278	-	6	-	546	
5.	17	12	8	13	36	21	-	1250	
6.	215	22	28	3	101	25	2	476	
7.	22	9	6	-	11	13	-	-	
8.	79	15	12	27	121	56	21	3	
9.	54	2	2	-	33	30	-	68	
10.	-	-	-	-	-	-	-	1160	
11.	34	4	4	10	45	40	4	-	
12.	69	-	-	18	51	87	4	120	
13.	-	-	-	5	33	40	33	-	
14.	83	-	14	98	61	72	1	5269	
15.	-	-	-	-	-	-	-	30	
16.	215	350	191	-	280	335	118	217	
17.	-	5	54	92	-	-	-	1839	
18.	3	4	11	36	14	-	3	1	
19.	16	9	8	6	205	7	-	128	
20.	159	77	64	7	89	15	4	170	
21.	15	8	60	15	49	8	1	-	
22.	-	-	-	12	5	2	1	1	
23.	21	4	-	3	29	25	23	230	
24.	13	139	8	27	3	54	245	10	
25.	42	-	57	4	3	-	-	-	
26.	3	22	-	-	44	22	-	-	
	1458	1592	1229	687	1330	993	529	11584	

D I S E A S E S							
SL.INS- NO.TITU- TION	PEDICU- LOSIS PUBIS	VEENE- REAL WARTS	DORMA- TITIS	FUSOS- PIRI LLOSIS	YAWS	AIDS	TOTAL
	14	15	16	17	18	19	20
1.	3	73	6	-	-	11	1361
2.	-	-	-	-	-	-	-
3.	-	26	6	-	-	-	401
4.	-	4	19	-	-	-	2803
5.	-	24	164	39	-	10	1815
6.	7	15	-	-	-	-	1121
7.	-	31	-	-	-	-	300
8.	5	64	6	30	8	2	968
9.	-	35	-	-	-	-	486
10.	-	74	48	-	-	-	1289
11.	-	27	4	10	-	4	342
12.	-	49	-	-	-	-	919
13.	-	14	-	-	-	-	299
14.	3	39	1645	-	-	-	7637
15.	-	-	10	-	-	-	44
16.	-	156	99	-	-	2	3767
17.	-	-	25	-	-	-	2610
18.	-	-	-	-	-	6	195
19.	-	8	-	-	-	-	686
20.	1	19	9	-	-	-	1288
21.	-	1	-	-	-	-	366
22.	4	-	-	-	-	-	170
23.	-	17	-	-	-	-	613
24.	-	383	-	-	-	-	1124
25.	7	-	-	-	-	-	228
26.	-	-	-	-	-	-	421
	30	1059	2041	79	8	35	31253

TABLE NO.3.8

STD CASES SEEN AND TREATED - DISEASE-WISE AND MONTH-WISE IN
KARNATAKA STATE DURING THE YEAR 1994 (PROVISIONAL)

KARNATAKA											
D I S E A S E S											
SL. MONTHS NO.	SYPHILIS				GONO-CHAN-		LYMP- HOGRA ANUL OMA VENE REUM	GRAN- ULOMA VEN EREUM OR DO NOYAN OSIS	NON- GONO COCC AL U RETH RIT IS	TRICH OMONA S VAG INALI S URE THRIT IS	
	PRI- MARY	SEC- OND ARY	LAT- ENT	CON- GEN ITAL	RRHO EA	CRO ID					
	1					2	3	4	5	6	7
1. JANUARY	136	104	14	-	12	143	168	84	85	72	67
2. FEBRUARY	167	92	-	-	4	86	96	57	28	97	67
3. MARCH	110	98	03	-	6	131	118	70	87	54	49
4. APRIL	158	102	16	3	-	163	168	84	85	72	67
5. MAY	121	105	27	-	74	148	197	95	66	170	76
6. JUNE	94	77	14	-	1	143	199	91	64	150	63
7. JULY	192	72	15	-	-	139	171	69	235	143	250
8. AUGUST	170	75	13	-	-	145	174	67	47	07	285
9. SEPTEMBER	162	65	10	-	-	136	182	75	51	166	170
10. OCTOBER	163	74	03	-	-	135	116	90	50	160	37
11. NOVEMBER	178	86	12	02	-	152	163	87	45	172	228
12. DECEMBER	183	89	14	01	-	152	183	92	70	195	233
TOTAL	1834	1039	141	06	97	1673	1935	961	913	1458	1592

D I S E A S E S												
SL.M	TRICH-	MON-	BALA-	HER-	MOLL-	SCABI-	PEDI-	VEN-	DOR-	FUS-		T
NO.O	OMONA	ILI	NOPS	PES	USCU	IES	CULO	ERE	MATI	OSPI	Y A	O
N S	VAGI	ASIS	THIT	PRO	M CO		SIS	AL	TIS	RILLO	A I	T
T NILIS		IS	GEN	NTA			PUB	WAR		SIS	W D	A
H VAGIN			ITA	GIO			IS	TS			S S	L
S ITIS			LIS	SUM								
8	9	10	11	12	13	14	15	16	17	18	19	20
1.	38	47	128	97	40	2623	3	92	597	5	-	2 4557
2.	69	25	76	50	135	1107	4	42	146	30	-	6 2384
3.	39	41	92	54	10	985	1	46	289	-	-	1 2284
4.	38	47	128	97	40	2506	3	92	598	5	-	2 4474
5.	79	19	135	107	41	2147	9	79	383	-	8	2 4088
6.	87	23	136	114	49	2216	8	69	28	39	-	- 3665
7.	192	129	155	79	214	-	2	135	-	-	-	- 2192
8.	85	160	44	73	-	-	-	65	-	-	-	3 1413
9.	78	25	115	84	-	-	-	39	-	-	-	3 1361
10.	62	20	107	87	-	-	-	26	-	-	-	2 1132
11.	208	51	122	59	-	-	-	164	-	-	-	- 1729
12.	254	100	92	92	-	-	-	210	-	-	-	14 1974
1229	687	1330	993	529	11584	30	1059	2041	79	8	35	31253

TABLE NO.3.9

INCIDENCE OF SNAKE BITE AND DEATHS BY SEX IN KARNATAKA
STATE FROM 1990 TO 1994

YEAR	OUT-DOOR			IN-DOOR			DEATHS		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
1990	849	463	1312	1544	698	2242	71	30	101
1991	1049	421	1470	1798	830	2628	118	50	168
1992	1151	543	1694	2165	882	3047	95	46	141
1993	2107	936	3043	1901	850	2751	82	34	116
1994	3041	1399	4440	2607	1256	3863	133	61	194
(P)									

P: Provisional

TABLE NO.3.10

INCIDENCE OF SNAKE BITE AND DEATHS BY AGE GROUP AND BY SEX
IN KARNATAKA STATE DURING THE YEAR 1994 (PROVISIONAL)

AGE GROUP	OUT-DOOR			IN-DOOR			DEATH		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
0 - 4	43	21	64	39	13	52	1	3	4
5 - 9	112	61	173	100	48	148	12	9	21
10 -14	334	142	476	270	129	399	13	7	20
15 -19	413	174	587	342	157	499	20	7	27
20 -29	749	353	1102	652	325	977	33	13	46
30 -39	659	296	955	540	266	806	18	12	30
40 -49	380	191	571	361	164	525	18	7	25
50 -59	224	106	330	190	97	287	9	1	10
60 & above	127	55	182	113	57	170	9	2	11
TOTAL	3041	1399	4440	2607	1256	3863	133	61	194

TABLE NO.3.11

THRESHER ACCIDENT CASES IN KARNTAKA STATE FROM 1990 TO 1994

YEAR	Cases of Thresher Accident				
	Amputation of				
	Finger	Hand	Limb	Others	Total
1990	235	1305	65	391	1996
1991	303	391	393	488	1575
1992	98	95	60	346	599
1993	92	97	50	291	530
1994 (P)	252	271	240	797	1560

P: Provisional

TABLE NO.3.12

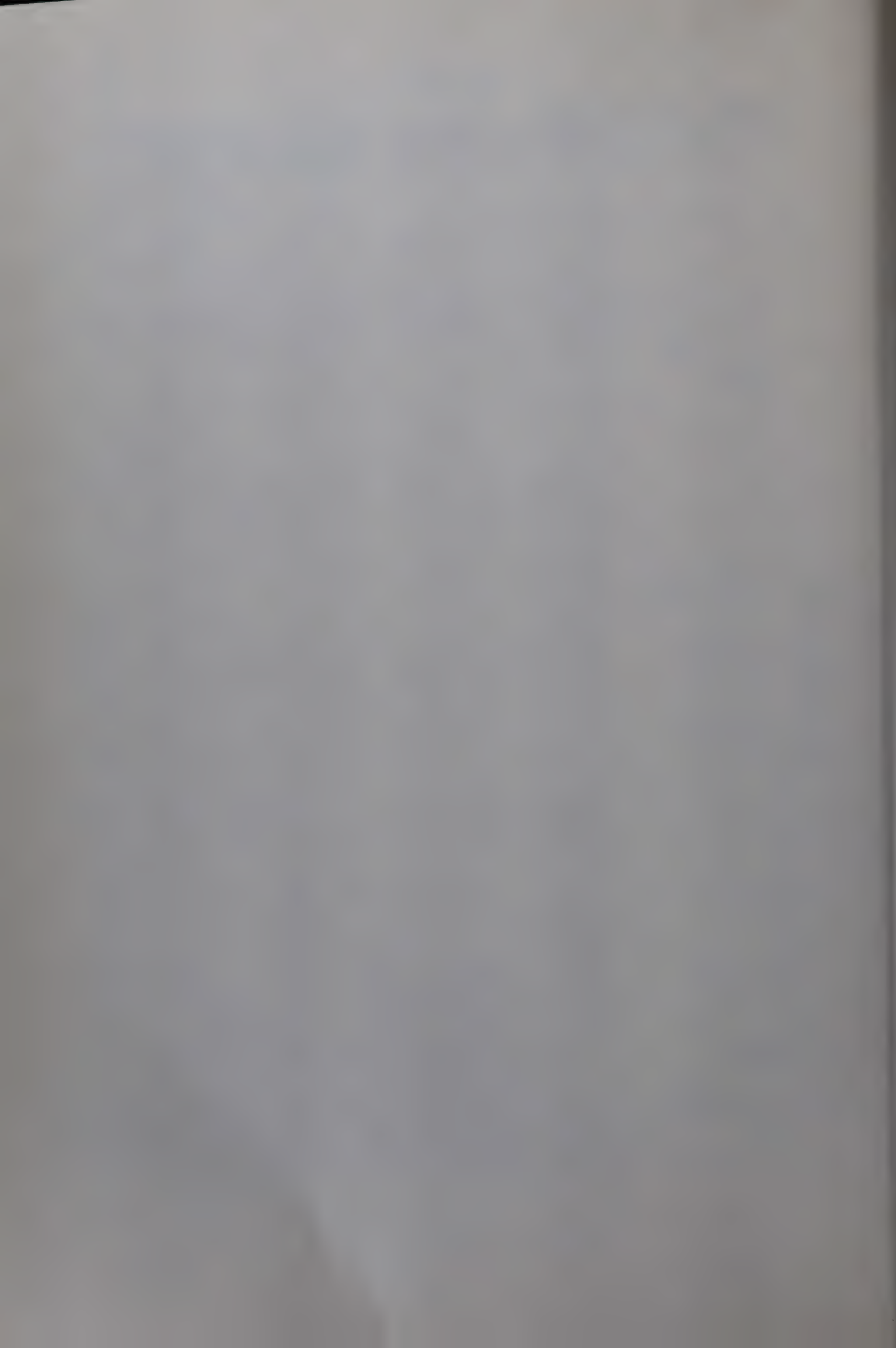
IN-DOOR AND OUT-DOOR PATIENTS TREATED AND DEATHS AMONG IN-PATIENTS IN KARNATAKA STATE DURING THE YEAR 1994 (PROVISIONAL)

SL.NO.	INSTITUTIONS	OUT - PATIENTS			DEATHS
		IN-PATIENTS	OLD	NEW	
GOVERNMENT INSTITUTIONS					
1.	District Hospitals	153852	1679808	1909059	3634
2.	Teaching Hospitals	208119	1554645	1442200	9404
3.	Major Hospitals	34068	234534	200969	862
4.	Health and Medical Institutions under the control of D.H&F.W.O	221015	3614298	7893248	2498
	TOTAL	617054	7083285	11445476	16398
AUTONOMOUS INSTITUTIONS					
1.	National Institute of Mental Health & Neuro Sciences,B'lore	8601	-NA-	-NA-	984
2.	KIDWAI Memorial Institute of Oncology,Bangalore.	6352	175271	-NA-	336
3.	Jayadeva Institute of Cardiology,Bangalore.	6313	18899	39195	590
4.	Sanjay Gandhi Accident Rehabilitation and Physical Medicine,Bangalore.	1293	1099	3862	40
	TOTAL	22,559	1,95,269	43,057	1,950
	GRAND TOTAL	6,39,613	72,78,554	1,14,88,533	18,348
				4,60,735	
				1,89,89,496	

TABLE NO.3.13

**IN-DOOR AND OUT-DOOR PATIENTS TREATED AND DEATHS AMONG
INPATIENTS IN HEALTH AND MEDICAL INSTITUTIONS IN KARNATAKA
STATE DURING THE YEAR 1994 BY DISTRICT (PROVISIONAL)**

SL. NO.	DISTRICT	IN PATIENTS	OUT - PATIENTS			DEATHS
			OLD	NEW	TOTAL	
1	2	3	4	5	6	7
1.	BANGALORE	83,976	6,00,482	10,86,956	16,87,438	4,426
2.	BANGALORE RURAL	9,747	-	7,72,696	7,72,696	127
3.	BELGAUM	31,629	3,41,083	5,63,104	9,04,187	658
4.	BELLARY	10,115	58,161	93,319	1,51,480	298
5.	BIDAR	18,300	2,81,390	3,86,527	6,67,917	359
6.	BIJAPUR	36,852	3,85,464	7,82,375	11,67,839	667
7.	CHIKMAGALUR	52,108	1,95,129	9,70,785	11,65,914	280
8.	CHITRADURGA	73,107	7,08,778	16,65,342	23,74,120	1,964
9.	D.KANNADA	40,768	9,82,701	10,09,008	19,91,709	1045
10.	DHARWAD	35,045	2,97,049	3,81,982	6,79,031	1,634
11.	GULBARGA	24,878	3,65,090	3,14,374	6,79,464	799
12.	HASSAN	54,037	3,52,750	9,54,255	13,07,005	953
13.	KODAGU	7,861	1,40,201	-	1,40,201	138
14.	KOLAR	25,068	2,40,925	1,98,259	4,39,184	457
15.	MANDYA	11,964	58,531	2,41,763	3,00,294	331
16.	MYSORE	22,626	14,253	93,145	1,07,398	667
17.	RAICHUR	15,222	5,86,043	1,47,872	7,33,915	385
18.	SHIMOGA	28,318	9,02,010	6,36,910	15,38,920	671
19.	TUMKUR	11,631	1,91,354	7,83,848	9,75,202	210
20.	U.KANNADA	23,802	3,81,891	3,62,956	7,44,847	329
TOTAL		6,17,054	70,83,285	1,14,45,476	1,85,28,761	16,398



CHAPTER - IV

TRAINING FACILITIES

TABLE NO.4.1
TRAINING FACILITIES IN KARNATAKA STATE

Sl. No.	Name of the Course	No. of Institutions	Intake capacity	Pre-service in-service	Duration
1	2	3	4	5	6
	HEALTH AND FAMILY WELFARE TRAINING CENTRE.				
		5	(GOI-2-IPP-1 STATE-2)		
1.	M.P.W. Training Course for Male.	4	240	Pre-service	12 Months
2.	Training of Block Health Educators in Communication	5	30	In-service	2 Weeks
3.	Leprosy Training Centres for Para Medical Staff.	2	60	-do-	4 Months
4.	Health Inspectors Training Course	7	525	-do-	12 Months
5.	Promotional L.H.V. Training for Sr.H.A (Female)	4	120	-do-	6 Months
6.	A.N.M. Training (M.P.W. Training for Female).	19	570	Pre-service	18 Months
7.	Condensed General Nursing Course	2	60	In-service	12 Months
8.	Lab. Technician Training Course - Senior.	1	12	-do-	12 Months
9.	Lab. Technician Training Course - Junior.	4	80	Pre-service	12 Months
10.	X-Ray Technician Training Course.	6	36	-do-	12 Months
11.	Dental Mechanic and Dental Hygienist Training Course	1	20	-do-	12 Months
12.	General Staff Nurses Training.	9	370	-do-	42 Months
13.	Basic B.Sc., Nursing	1	35	-do-	48 Months
14.	Basic Nursing Post Certificate Course.	1	30	In-service	24 Months

		64			
		3	4	5	6
1	2				
		4	60	Pre-service	2 years
15.	Para Medical/ Ophthalmic assistant/Re- fractionist Trainig Course				
16.	Food Inspectors Training Course.	1	40 Per Batch	Pre-service In-service	3 Months
17.	Continued Education for Medical Officer.	2	30 Per Batch	In-service	2 Weeks
18.	Senior Health Asst., (Male and Female).	5	30 Per Batch	In-service	2 Weeks
19.	Junior Health Asst., (Male and Female).	5	30 Per	In-service	2 Weeks

CHAPTER - V

MAN POWER STATISTICS

TABLE NO.5.1

CADRE STRENGTH OF THE DEPARTMENT OF HEALTH AND FAMILY WELFARE SERVICES, AS ON 31.3.1995

Sl. No.	Name of the Cadre	No. of Posts sanctioned	Working	Vacant
1	2	3	4	5
1.	Director of Health & Family Welfare Services	1	1	-
2.	Director of Health Education and Training.	1	-	1
3.	Additional Director	4	4	-
4.	Joint Directors	17	14	3
5.	Health Officer (Class I Senior)	63	45	18
6.	Surgeons	125	105	20
7.	Superintendents of T.B.Hospital.	10	8	2
8.	Health Officer Class.I(Junior)	440	323	117
9.	Joint Director (I.E.C)	1	1	-
10.	Health Officers-cum-Assistant Surgeons.	4130	3569	561
11.	Chief Administrative Officer	2	2	-
12.	Chief Accounts Officer-cum-Financial Adviser.	1	1	-
13.	Deputy Director (Nutrition)	1	1	-
14.	Dental Surgeons	2	2	-
15.	Deputy Dental Surgeons	33	21	12
16.	Assistant Dental Surgeons	118	78	40
17.	Chief Pharmacists	17	14	3
18.	Graduate Pharmacists	39	32	7
19.	Chief Chemist and Public Analyst	1	1	-
20.	Senior Chemists & Public Analysts	6	4	2

		3	4	5
1	2			
		11	6	5
21.	Chemists / Food Analysts	5	1	4
22.	Assistant Nutrition Officers	1	1	-
23.	Scientific Officer	1	1	-
24.	Health Equipment Officer	1	1	-
25.	Assistant Engineer(Electrical)	1	1	-
26.	Assistant Nutrition Officer	1	1	-
27.	Assistant Deputy Director (HE & SH)	1	-	1
28.	Deputy Director (S.H.E.U)	1	1	-
29.	Technical Officer (A.V)	1	1	-
30.	Technical Officer (FSDC)	1	-	1
31.	Technical Officer (Exhibition)	1	1	-
32.	Planning Officer	2	1	1
33.	Deputy Director (Pharmacy)	1	1	-
34.	Senior Entomologists	3	-	3
35.	Bio-Chemists	1	-	1
36.	Junior Physcist	2	1	1
37.	Assistant Entomologists	8	7	1
38.	Lay Secretary/Gazeted Assistants	68	46	22
39.	Administrative Officers	4	2	2
40.	Medical Record Officers	4	4	-
41.	Service Engineers	20	8	12
42.	Nursing Superintendent Grade.I	47	37	10
43.	Nursing Superintendent Grade.II	308	258	50
44.	Nursing Tutor	72	61	11
45.	Senior Nurses	600	420	180

1	2	3	4	5
46. Principal, School of Nursing	10	-	10	
47. Lecturer, College of Nursing	5	-	5	
48. Professor, College of Nursing	4	1	3	
49. Assistant Professor, College of Nursing.	5	3	2	
50. Principal, College of Nursing	1	-	1	
51. Clinical Instructors, College of Nursing	4	3	1	
52. Staff Nurses	4233	4010	223	
53. Senior Health Assistants(Male)	1221	851	370	
54. Health Supervisors - Group 'C'	76	62	35	
55. Health Supervisors - Group 'B'	21			
56. Assistant Leprosy Officers	12	-	12	
57. Health Supervisor	21	5	16	
58. Senior Non-Medical Supervisors	105	94	11	
59. Junior Non-Medical Supervisors	184	175	9	
60. Junior Health Assistants(Male)	5664	4853	811	
61. Para Medical Workers	1231	709	522	
62. Senior Laboratory Technicians	303	255	48	
63. Junior Laboratory Technicians	1627	1007	620	
64. X-Ray Technicians	249	238	11	
65. Radiographers	44	34	10	
66. Refractionists	463	346	117	
67. Orthoptists	7	7	-	
68. Assistant Medical Records Officers.	11	10	1	
69. Medical Record Technicians	29	27	2	

1	2	3	4	5
70. Physiotherpists (General)		33	21	12
71. Physiotherapists (Leprosy)		52	28	24
72. Electricians		44	38	6
73. Clinical Psychologists		14	7	7
74. Dental Mechanics		31	26	5
75. Dental Hygienists		9	8	1
76. Dieticians		8	5	3
77. Junior Chemists		24	8	16
78. Social Workers (S.T.D)		26	22	4
79. Mechanics Class I (Junior)		3	3	-
80. Occupational Therapists		5	-	5
81. Pump Mechanic		1	1	-
82. Wiremen		1	1	-
83. Modellors		4	4	-
84. Artist-cum-Photographers		8	1	7
85. Artists		2	-	2
86. Draftsmen		1	1	-
87. Physical Culture Instructors		4	4	-
88. Auto Clave Mechanics		3	1	2
89. Boiler Attender		1	1	-
90. Dark Room Assistants		3	3	-
91. Entomological Assistants		4	2	2
92. Scientific Assistants		4	3	1
93. Air Conditioning Operaters		2	2	-
94. Superintendent (Technical)		1	1	-

1	2	3	4	5
95. Printing Instructor		1	1	-
96. Weaving Instructor		1	1	-
97. Loom Mechanic		1	-	1
98. Health Equipment & Repair Supervisors.		4	1	3
99. Junior Engineers		1	1	-
100. Craftsman		1	1	-
101. Sub-Editor		1	1	-
102. Home Science Assistant		1	1	-
103. Silk Screen Technician		1	1	-
104. Prosthetic Technicians Gr.I		3	1	2
105. Leather Workers		2	1	1
106. Optical Mechanic		1	1	-
107. Psychiatric Social Worker		1	1	-
108. Teacher		1	1	-
109. Speech Pathologist and Audiologist.		1	-	1
110. Superintendent (Veterinary)		1	-	1
111. Speech Therapist		1	-	1
112. Carpenters		3	-	3
113. Refrigerator Mechanics		3	-	3
114. Pharmacists	2526		1762	764
115. Research Assistant		1	-	1
116. Drivers	1053		925	128
117. Master Artisans		30	26	4
118. Skilled Mechanics		16	4	12

1	2	3	4	5
		70		
119.	Skilled Tradesman	17	5	12
120.	Semi Skilled Artisans/ Mechanic	10	5	5
121.	Dialysis Therapists	2	-	2
122.	Junior Mechanics	58	43	15
123.	Electricians (Transport)	8	8	-
124.	Partsman/SA, STA	10	7	3
125.	Driver cum Mechanic	2	2	-
126.	Cleaners	145	123	22
127.	Lady House Keepers	17	8	9
128.	Office Superintendents	294	265	29
129.	Stenographers	118	95	23
130.	Junior Stenographers	79	60	19
131.	First Division Assistants	1919	1438	481
132.	Second Division Assistants	1383	1312	71
133.	Clerk - cum -Typist	384	384	-
134.	Typists	259	216	43
135.	Senior Typists	49	45	4
136.	Senior Librarians	6	5	1
137.	Librarians Grade I	3	2	1
138.	Librarians Grade II	5	4	1
139.	Library Assistants	3	2	1
140.	Nursing Superisntendents Grade I (PH)	71	67	4
141.	Nursing Superintendents Grade II (PH)	51	47	4
142.	Senior Health Assistant(F) (Lady Health Visitors)	1219	1099	120

1	2	3	4	5
143. Junior Health Assistant(F) (Auxiliary Nurse Midwives)	9554	8599	955	
144. District Health Education Officers	24	19	5	
145. Health Education Officer / Health Education Instructor/ Social Science Instructor/ Social Scientist.	12	10	2	
146. Deputy Health Education Officers	90	66	24	
147. Block Health Educators	726	505	221	
148. Projectionists	39	37	2	
149. Lecturers in Health Education and Family Welfare	4	1	3	
150. Junior Projectionists	20	20	-	
151. Editor	1	1	-	
152. Field Publicity Officer	1	1	-	
153. Demographer	1	1	-	
154. Deputy Director (Transport)	1	1	-	
155. Statistical Officers	2	2	-	
156. Assistant Director (Press)	1	1	-	
157. Electrical Supervisor	1	-	1	
158. Needle Work Teacher	1	1	-	
159. Total Post of Group 'D'	15438	12852	2586	
160. Microbiologist	1	1	-	
161. Technical Officer(Goitre)	1	-	1	
162. Junior Physcists	2	1	1	
TOTAL	57,682	48,058	9,624	

CHAPTER - VI

STATE HEALTH TRANSPORT ORGANISATION

TABLE NO. 6.1

SUPPLY OF VEHICLES BY DIFFERENT AGENCIES AS ON 31.3.1995.

SL.NO.	PARTICULARS	NOS.
1.	UNICEF	229
2.	State (Health Programme)	202
3.	Family Welfare	704
4.	N.M.E.P	108
5.	India Population Project	167
6.	W.H.O	11
7.	N.L.C.P	63
8.	U.K.Aid Mobile Clinics	6
9.	Preventive and Control of Blindness	21
10.	T.B.Centres (5 Districts)	23
11.	Hyderabad Karnataka Development Programme (State Sector)	15
TOTAL		1549

TABLE NO.6.2
PROGRAMMEWISE DISTRIBUTION OF VEHICLES AS ON 31.3.1995 IN
KARNATAKA STATE BY DISTRICT

Sl.DIVISION/ NO.DISTRICT	UNI- CEF	STA TE	-F.W EP	NM EP	IPP	WHO	N L C P	UK AID MOB ILE CLI NIC	PRE- VEN TION OF BLIND- NESS	TB H K D P	TOTAL
<u>BANGALORE DIVISION</u>											
1. Bangalore :17	33	49	3	14	6	2	3	2	6	-	135
2. Bangalore(R): 7	3	31	3	-	-	-	-	-	-	-	44
3. Chitradurga	8	6	33	5	10	1	10	-	2	-	75
4. Kolar	17	11	28	7	20	-	4	-	1	1	89
5. Shimoga	6	6	30	5	7	-	-	-	1	-	55
6. Tumkur	11	8	29	6	1	-	1	3	-	-	59
<u>BELGAUM DIVISION</u>											
7. Belgaum	14	10	25	4	26	1	6	-	5	2	93
8. Bijapur	11	5	123	8	8	1	2	-	-	4	162
9. Dharwad	26	3	47	7	31	1	10	-	1	-	126
10. U.Kannada	6	9	31	5	-	-	1	-	1	1	54
<u>GULBARGA DIVISION</u>											
11. Bellary	10	13	32	6	-	-	4	-	-	1	66
12. Bidar	12	2	16	-	11	1	-	-	1	4	51
13. Gulbarga	20	8	20	11	16	-	6	-	-	-	87
14. Raichur	13	-	43	4	23	-	4	-	2	2	96
<u>MYSORE DIVISION</u>											
15. Chikmagalur	2	12	26	6	-	-	-	-	1	-	47
16. D.Kannada	16	15	35	4	-	-	1	-	1	2	74
17. Hassan	10	12	27	6	-	-	1	-	2	-	58
18. Kodagu	2	4	20	7	-	-	2	-	-	-	35
19. Mandya	6	6	21	2	-	-	3	-	1	-	39
20. Mysore	15	36	38	9	-	-	6	-	-	-	104
TOTAL	229	202	704	108	167	11	63	6	21	23	1549

CHAPTER - VII

PERFORMANCE UNDER DIFFERENT HEALTH PROGRAMMES

TABLE NO.7.1

(A).MALARIA**INFRASTRUCTURAL FACILITIES UNDER NATIONAL MALARIA ERADICATION
PROGRAMME AS ON 31.12.1994**

SL. DIVISION/DISTRICT NO.	DRUG DISTRI- BUTION CENTRES	FEVER TREATMENT DEPOTS	MALARIA CLINICS
<u>BANGALORE DIVISION</u>			
1. Bangalore	-	83	13
2. Bangalore Rural	-	-	25
3. Chitradurga	174	771	28
4. Kolar	130	17	29
5. Shimoga	-	-	14
6. Tumkur	21	3	16
<u>BELGAUM DIVISION</u>			
7. Belgaum	4	3	57
8. Bijapur	102	25	17
Almatti	-	-	-
9. Dharwad	102	118	24
10. U.Kannada	143	64	9
<u>GULBARGA DIVISION</u>			
11. Bellary	12	60	25
12. Bidar	124	194	25
13. Gulbarga	57	62	65
a) U.K.P.N.Pura	-	5	1
b) Kembhavi	-	-	1
c) B.Gudi	-	-	1
14. Raichur	-	16	31
<u>MYSORE DIVISION</u>			
15. Chikmagalur	42	236	36
16. D.Kannada	-	118	29
17. Hassan	355	4	38
18. Kodagu	-	14	15
19. Mandya	346	88	179
20. Mysore	118	110	34
STATE TOTAL			
	1730	1991	712

76
TABLE NO.7.2

COMPARATIVE PERFORMANCE UNDER NATIONAL MALARIA ERADICATION
PROGRAMME OVER LAST FIVE YEARS.

Year	Blood Smears collected and Examined	Total positive cases	P.F cases	Radical treat- ment given	ABER	SPR	API
1	2	3	4	5	6	7	8
1990	66,01,484	74,012	23,209	22,902	17.50	1.12	1.96
1991	66,46,213	44,565	10,135	43,430	17.20	0.60	1.10
1992	69,13,592	81,057	16,826	78,602	17.70	1.10	2.00
1993	70,98,519	1,96,466	49,246	1,90,644	17.70	1.10	2.00
1994	71,10,997	2,66,679	37,789	2,57,338	15.80	3.80	6.60

N.B ; - ABER - Annual Blood Examination Rate

SPR - Slide Positive Rate

API - Annual Parasite Index

TABLE NO.7.3

**BLOOD SMEARS COLLECTED, EXAMINED, POSITIVES, P.F.CASES AND
RADICAL TREATMENT GIVEN DURING THE YEAR 1994.**

Sl. No.	District	Total Blood Smears Collected & examined	Total positive cases	P.F.Cases	No.of R.T given
<u>BANGALORE DIVISION</u>					
1.	Bangalore	218352	694	151	641
2.	Bangalore(R)	300082	137	55	136
3.	Chitradurga	462972	35472	3164	34534
4.	Kolar	385507	19200	3736	18597
5.	Shimoga	285770	1624	106	1583
6.	Tumkur	456863	34798	8092	32979
<u>BELGAUM DIVISION</u>					
7.	Belga um	382729	399	95	401
8.	Bijapur	447272	7486	1769	7200
	Almatti AMU	38330	2098	528	2057
9.	Dharwad	558831	802	32	796
10.	U.Kannada	188639	995	31	889
<u>GULBARGA DIVISION</u>					
11.	Bellary	263449	4591	180	4505
12.	Bidar	203376	2388	492	2353
13.	Gulbarga	251192	3065	965	2820
	a)U.K.P.N.Pura	41284	2242	898	2198
	b)Kembhavi	22619	106	17	100
	c)B.Gudi	8807	176	33	169
14.	Raichur	417676	8098	1983	8005
<u>MYSORE DIVISION</u>					
15.	Chikmagalur	319861	57231	8407	53046
16.	D.Kannada	315493	4744	21	4734
17.	Hassan	489527	66082	4988	65541
18.	Kodagu	96332	80	4	57
19.	Mandya	355068	4022	270	4058
20.	Mysore	600966	10148	1772	9939
TOTAL		71,10,997	2,66,679	37,789	2,57,338

TABLE NO.7.4

(B).FILARIA
INFRASTRUCTURAL FACILITIES UNDER NATIONAL FILARIA CONTROL
PROGRAMME AS ON 31.12.1994

Sl. District No.	Filaria Survey Cell	Filaria Clinics	Filaria Control Units
1. Bidar	-	4	1
2. Bijapur	-	3	2
3. D.Kannada	-	4	2
4. Gulbarga	-	10	2
5. Raichur	1	1	-
6. U.Kannada	-	2	-
TOTAL	1	24	7

TABLE NO.7.5

NATIONAL FILARIA CONTROL PROGRAMME - COMPARATIVE PERFORMANCE
OVER LAST FIVE YEARS

Year	No.of Blood Smears Examined	No.of Micro Filaria Cases	Disease Cases	Treatment Given
1990	97,197	2,205	3,394	5,089
1991	1,02,457	1,359	5,653	6,792
1992	1,19,816	1,620	2,838	4,022
1993	1,37,606	1,520	5,240	6,378
1994	1,36,823	980	4,310	4,885

TABLE NO.7.6

PERFORMANCE UNDER NATIONAL FILARIA CONTROL PROGRAMME DURING THE
YEAR 1994

Sl. District No.	No.of Blood Smears Examined	No.of Micro- Filaria cases	Disease cases	Treatment given
1. Bidar	18,569	88	815	901
2. Bijapur	12,561	22	385	388
3. D.Kannada	8,967	62	102	164
4. Raichur	14,453	97	44	110
5. Gulbarga	67,036	485	2,584	2,716
6. U.Kannada	15,237	226	380	606
TOTAL	1,36,823	980	4,310	4,885

TABLE NO. 7.7

(C) .BLINDNESS

**INFRASTRUCTURAL FACILITIES UNDER NATIONAL PROGRAMME FOR CONTROL
OF BLINDNESS AS ON 31.3.1995**

Sl.Division/ No.District	Regional Gene- Institu- te of Ophthal- mology	ral Hos- pita- ls	District Mobile Ophth - almic Units	Eye Banks	District Hos- pitals	Upgra - dation of Me- dical coll- eges	Primary Health Centres develop- ped under NPCB	
1	2	3	4	5	6	7	8	9
<u>BANGALORE DIVISION</u>								
1. Bangalore	1	-	1	1	1	-	12	
2. Bangalore Rural	-	-	1	-	1	-	18	
3. Chitradurga	-	-	2	-	1	1	19	
4. Kolar	-	-	1	-	1	-	21	
5. Shimoga	-	-	1	-	1	-	16	
6. Tumkur	-	-	1	-	1	-	22	
<u>BELGAUM DIVISION</u>								
7. Belgaum	-	-	2	1	1	1	31	
8. Bijapur	-	-	2	-	1	-	28	
9. Dharwad	-	1	1	-	1	1	30	
10. U.Kannada	-	-	1	-	1	-	19	
<u>GULBARGA DIVISION</u>								
11. Bellary	-	1	1	-	1	1	19	
12. Bidar	-	-	1	-	1	-	15	
13. Gulbarga	-	-	1	-	1	-	28	
14. Raichur	-	-	2	-	1	-	22	
<u>MYSORE DIVISION</u>								
15. Chikmagalur	-	-	1	-	1	-	13	
16. D.Kannada	-	1	1	-	1	-	25	
17. Hassan	-	-	1	-	1	-	18	
18. Kodagu	-	-	1	-	1	-	5	
19. Mandya	-	-	1	-	1	-	16	
20. Mysore	-	-	2	1	-	1	23	
TOTAL								
	1	3	25	3	19	5	400	

TABLE NO.7.8

NATIONAL PROGRAMME FOR CONTROL OF BLINDNES - COMPARATIVE
PERFORMANCE OVER LAST FIVE YEARS

Cataract operations			
Year	Target	Achievement	Percentage of Achievement
1990-91	54,000	43,863	81.2
1991-92	90,000	65,078	72.3
1992-93	90,000	77,760	86.4
1993-94	1,40,000	93,359	66.7
1994-95	1,40,000	1,48,274	105.9

TABLE NO.7.9

NO.OF CATARACT OPERATIONS PERFORMED DURING THE YEAR 1994-95

Sl. Division/District No.	Annual target	Achievement	Percentage of achieve- ment
<u>BANGALORE DIVISION</u>			
1. Bangalore	15000	13314	88.76
2. Bangalore Rural	5200	5362	103.11
3. Chitradurga	6500	4111	63.24
4. Kolar	6500	3326	51.16
5. Shimoga	6000	3330	55.50
6. Tumkur	8400	4763	56.70
<u>BELGAUM DIVISION</u>			
7. Belgaum	11000	9145	83.13
8. Bijapur	9000	5983	66.47
9. Dharwad	11000	11654	105.94
10. Uttara Kannada	3800	1408	37.05
<u>GULBARGA DIVISION</u>			
11. Bellary	6000	2940	49.00
12. Bidar	4000	1956	48.90
13. Gulbarga	8000	3422	42.77
14. Raichur	7200	1713	23.79
<u>MYSORE DIVISION</u>			
15. Chikmagalur	3000	1256	41.86
16. Dakshina Kannada	8200	5765	70.30
17. Hassan	4500	2354	52.31
18. Kodagu	1500	338	22.53
19. Mandya	5200	3281	63.09
20. Mysore	10000	6851	68.51
OTHER INSTITUTIONS	-	56002	-
TOTAL	1,40,000	1,48,274	105.91

82
TABLE NO.7.10

(D).TUBERCULOSIS

**INFRASTRUCTURAL FACILITIES UNDER NATIONAL T.B.CONTROL
PROGRAMME AS ON 31.3.1995**

Sl. No.	Division/District	Hospitals	State T.B. Centre	District T.B. Centre	Addl., Dist., T.B. Centre
1	2	3	4	5	6
<u>BANGALORE DIVISION</u>					
		2	1	1	-
1.	Bangalore	-	-	1	-
2.	Bangalore Rural	1	-	1	1
3.	Chitradurga	1	-	1	-
4.	Kolar	-	-	1	-
5.	Shimoga	-	-	1	1
6.	Tumkur				
<u>BELGAUM DIVISION</u>					
		-	-	1	-
7.	Belgaum	1	-	1	-
8.	Bijapur	1	-	1	1
9.	Dharwad	-	-	1	-
10.	Uttara Kannada				
<u>GULBARGA DIVISION</u>					
		1	-	1	1
11.	Bellary	-	-	1	-
12.	Bidar	-	-	1	-
13.	Gulbarga	-	-	1	-
14.	Raichur				
<u>MYSORE DIVISION</u>					
		-	-	1	-
15.	Chikmagalur	1	-	1	-
16.	Dakshina Kannada	-	-	1	-
17.	Hassan	-	-	1	-
18.	Kodagu	1	-	1	-
19.	Mandya	1	-	1	-
20.	Mysore				
STATE TOTAL		10	1	20	5

83
TABLE NO.7.11

NATIONAL T.B.CONTROL PROGRAMME - COMPARATIVE PERFORMANCE
OVER LAST FIVE YEARS

Year	T.B.Cases Detected			B.C.G.Vaccination		
	Target	Achieve- ment	Percentage of Achieve- ment	Target	Achieve- ment	Percentage of Achieve- ment
1	2	3	4	5	6	7
1990-91	85,000	77,437	91.1	12,01,700	12,25,048	101.9
1991-92	83,000	75,740	91.3	11,48,400	11,33,730	98.7
1992-93	85,200	68,109	79.9	11,85,800	11,89,461	100.3
1993-94	88,080	67,790	77.0	12,29,367	12,54,385	102.0
1994-95	90,000	79,063	87.8	11,88,600	12,29,800	103.5

TABLE NO.7.12
T.B.CASES DETECTED DURING THE YEAR 1994-95 IN KARNATAKA STATE
BY DISTRICT

Sl. Division/District No.	No. of T.B. Cases Detected		
	Target	Achievement	Percentage of Achievement
<u>I. BANGALORE DIVISION</u>			
1. Bangalore	9684	9666	99.8
2. Bangalore Rural	3348	2257	67.4
3. Chitradurga	4368	4490	102.8
4. Kolar	4440	6279	141.4
5. Shimoga	3816	3438	90.1
6. Tumkur	4608	4467	96.9
<u>II. BELGAUM DIVISION</u>			
7. Belgaum	7176	6700	93.4
8. Bijapur	5856	5724	97.7
9. Dharwad	7008	5157	73.6
10. Uttara Kannada	2448	1266	51.7
<u>III. GULBARGA DIVISION</u>			
11. Bellary	3780	4233	112.0
12. Bidar	2508	2735	109.1
13. Gulbarga	5160	5168	100.2
14. Raichur	4620	2934	63.5
<u>IV. MYSORE DIVISION</u>			
15. Chikmagalur	2040	1506	73.8
16. Dakshina Kannada	5388	3723	69.1
17. Hassan	3144	1566	49.8
18. Kodagu	984	537	54.6
19. Mandya	3288	3400	103.4
20. Mysore	6336	3817	60.2
STATE TOTAL	90,000	79,063	87.8

TABLE NO.7.13

**ANNUAL ANALYSIS OF NEW CHEST SYMPTOMATICS DURING THE YEAR
1994-95 IN KARNATAKA STATE BY DISTRICT**

Sl. No.	Division/District	Annual Target	Achievement	Percentage of Achievement	Found Positives
I. <u>BANGALORE DIVISION</u>					
1.	Bangalore	19,956	10,641	53.3	2,298
2.	Bangalore Rural	6,900	8,581	124.4	453
3.	Chitradurga	8,988	2,910	32.4	766
4.	Kolar	9,144	13,012	142.3	1,153
5.	Shimoga	7,872	5,470	69.5	1,038
6.	Tumkur	9,594	5,463	56.9	1,092
II. <u>BELGAUM DIVISION</u>					
7.	Belgaum	14,784	16,472	111.4	632
8.	Bijapur	12,072	12,681	105.0	1,994
9.	Dharwad	14,448	11,035	76.4	509
10.	Uttara Kannada	5,028	4,153	82.6	164
III. <u>GULBARGA DIVISION</u>					
11.	Bellary	7,800	9,442	121.1	1,437
12.	Bidar	5,184	2,747	53.0	343
13.	Gulbarga	10,644	10,646	100.0	929
14.	Raichur	9,528	8,023	84.2	795
IV. <u>MYSORE DIVISION</u>					
15.	Chikmagalur	4,200	2,383	56.7	181
16.	Dakshina Kannada	11,112	9,798	88.2	1,270
17.	Hassan	6,480	4,384	67.7	337
18.	Kodagu	2,016	2,698	133.8	158
19.	Mandya	6,780	7,198	106.2	720
20.	Mysore	13,060	18,066	138.3	949
STATE TOTAL		1,85,590	1,65,803	89.3	17,218

TABLE NO.7.14
DISTRICT-WISE PREVALENCE OF T.B.CASES IN KARNATAKA STATE
AS ON 31.3.1995

Sl. District No.	No. of Sputum Positive Cases	No. of Sputum Negative Cases	Total
<u>BANGALORE DIVISION</u>			
1. Bangalore	19,818	79,274	99,092
2. Bangalore Rural	6,120	24,480	30,600
3. Chitradurga	8,330	33,320	41,650
4. Kolar	8,166	32,664	40,830
5. Shimoga	8,544	34,176	42,720
6. Tumkur	6,997	27,988	34,985
<u>BELGAUM DIVISION</u>			
7. Belgaum	13,347	53,364	66,711
8. Bijapur	11,073	44,292	55,365
9. Dharwad	13,073	52,292	65,365
10. Uttara Kannada	4,437	17,748	22,185
<u>GULBARGA DIVISION</u>			
11. Bellary	7,371	29,484	36,855
12. Bidar	4,855	19,420	24,275
13. Gulbarga	9,873	39,492	49,365
14. Raichur	9,081	36,324	45,405
<u>MYSORE DIVISION</u>			
15. Chikmagalur	3,665	14,660	18,325
16. Dakshina Kannada	9,839	39,358	49,197
17. Hassan	5,786	23,147	28,933
18. Kodagu	1,703	6,812	8,515
19. Mandya	6,048	24,192	30,240
20. Mysore	11,998	47,992	59,990
STATE TOTAL			
	1,70,124	6,80,479	8,50,603

TABLE NO.7.15

(E).LEPROSY**INFRASTRUCTURAL FACILITIES UNDER NATIONAL LEPROSY
ERADICATION PROGRAMME AS ON 31.3.1995**

Sl. Division/ No. District	D L O	L C C	S E T	U L C	T H W	R S U	L T C	S S A U	L R P U	V O L U	M L C U	
1	2	3	4	5	6	7	8	9	10	11	12	13
<u>BANGALORE DIVISION</u>												
1. Bangalore	1	-	21	7	-	1	1	1	-	7	1	
2. Bangalore Rural	1	1	43	1	-	-	-	-	-	1	1	
3. Chitradurga	1	1	50	2	3	1	-	-	-	-	1	
4. Kolar	1	1	48	3	1	-	-	-	-	2	1	
5. Shimoga	1	1	22	2	-	-	-	-	-	-	-	
6. Tumkur	1	1	31	1	1	-	-	-	-	1	1	
<u>BELGAUM DIVISION</u>												
7. Belgaum	1	4	50	5	2	-	-	-	1	1	-	
8. Bijapur	1	3	48	4	1	1	-	-	-	1	1	
9. Dharwad	1	3	50	4	1	-	-	1	-	2	1	
10. U.Kannada	1	-	18	1	-	-	-	-	-	-	1	
<u>GULBARGA DIVISION</u>												
11. Bellary	1	2	25	4	3	1	-	-	-	-	2	
12. Bidar	1	2	20	2	1	-	-	-	-	1	1	
13. Gulbarga	1	4	50	3	2	-	1	1	1	1	1	
14. Raichur	1	3	29	2	2	-	-	-	-	-	1	
<u>MYSORE DIVISION</u>												
15. Chikmagalur	-	-	11	-	-	-	-	-	-	-	-	
16. D.Kannada	1	2	54	3	1	1	-	-	1	3	1	
17. Hassan	1	-	15	-	-	-	-	-	-	-	-	
18. Kodagu	-	-	4	-	-	-	-	-	-	-	-	
19. Mandya	1	1	38	1	1	-	-	-	-	1	-	
20. Mysore	1	2	48	4	3	1	-	1	-	4	-	
Total	18	31	675	49	22	6	2	4	3	25	14	

NOTE; DLO - District Leprosy Officer
 LCC - Leprosy Control Centre
 SET - Survey Education and Treatment Centre
 ULC - Urban Leprosy Centre
 THW - Temporary Hospitalisation Ward
 RSU - Reconstructive Surgery Unit
 SSAU- Sample Survey - cum - Assessment Unit
 LTC - Leprosy Training Centre
 LRPu- Leprosy Rehabilitation and Promotion Unit
 MLCU- Modified Leprosy Control Unit

TABLE NO.7.16

NATIONAL LEPROSY ERADICATION PROGRAMME - COMPARATIVE
PERFORMANCE OVER LAST FIVE YEARS

Year	New Cases Detected			No. of cases discharged as disease arrested/cured		
	Target	Achievement	% of Ach.,	Target	Achievement	% of Ach.,
1	2	3	4	5	6	7
1990-91	18,000	25,668	142.6	60,000	35,662	59.4
1991-92	15,000	25,786	171.9	46,000	43,443	94.4
1992-93	25,000	26,499	106.0	46,000	39,529	85.9
1993-94	20,000	26,465	132.3	40,000	30,462	76.2
1994-95	18,000	24,019	133.4	30,000	26,221	87.4

89
TABLE NO.7.17

NEW CASES DETECTED BY TYPE UNDER NATIONAL LEPROSY ERADICATION PROGRAMME IN KARNATAKA STATE
FROM 1990-91 TO 1994-95 BY DISTRICT

Sl. No.	Name of the District	1990-91			1991-92			1992-93			1993-94			1994-95		
		MB	PB	Total	MB	PB	Total	MB	PB	Total	MB	PB	Total	MB	PB	Total
1.	Bangalore	156	1116	1272	159	1216	1375	199	1194	1393	261	1181	1442	202	969	1171
2.	Bangalore Rural	53	340	393	35	341	376	63	382	445	115	538	653	149	486	635
3.	Chitradurga	161	413	574	201	515	716	179	449	628	219	455	674	207	460	667
4.	Kolar	356	653	1009	349	952	1301	289	854	1143	341	1066	1407	268	845	1113
5.	Shimoga	40	208	248	70	234	304	82	310	392	135	281	416	120	370	490
6.	Tumkur	61	488	549	100	421	521	117	427	544	105	515	620	139	477	616
7.	Belgaum	335	1314	1649	248	1101	1349	250	961	1211	260	963	1223	306	1356	1662
8.	Bijapur	624	1867	2491	514	2065	2579	582	2354	2936	480	2465	2945	483	2309	2792
9.	Dharwad	538	1543	2081	478	1296	1774	423	1302	1725	452	1426	1878	480	1381	1861
10.	U.Kannada	27	121	148	16	151	167	51	224	275	55	227	282	145	372	517
11.	Bellary	751	3003	3754	629	3525	4154	488	2837	3325	380	2631	3011	430	1704	2134
12.	Bidar	349	1676	2025	217	1300	1517	230	1442	1672	262	1473	1735	177	1098	1275
13.	Gulbarga	346	2549	2895	176	2634	2810	156	2782	2938	181	3215	3396	175	2919	3094
14.	Raichur	618	2206	2824	555	2603	3158	465	3255	3720	349	2543	2892	356	2392	2748
15.	Chikmagalur	23	29	52	20	24	44	21	34	55	16	53	69	19	31	50
16.	D.Kannada	104	590	694	135	536	671	80	553	633	98	556	654	111	461	572
17.	Hassan	35	52	87	21	84	105	24	86	110	22	73	95	20	54	74
18.	Kodagu	9	9	18	3	10	13	2	7	9	3	8	11	2	5	7
19.	Mandya	76	572	648	66	572	638	108	629	737	118	943	1061	72	660	732
20.	Mysore	319	1938	2257	304	1910	2214	309	2299	2608	277	1724	2001	296	1513	1809
TOTAL		4981	20687	25668	4296	21490	25786	4118	22381	26499	4129	22336	26465	4157	19862	24019

NOTE :- MB = Multi Bacillary
PB = Pauci Bacillary

TABLE NO.7.18

TYPEWISE, DISTRICTWISE CASES CURED/DISEASE ARRESTED UNDER NATIONAL LEPROSY ERADICATION PROGRAMME IN KARNATAKA
STATE FROM 1990-91 TO 1994-95 BY DISTRICT

Sl. No.	District	1990-91			1991-92			1992-93			1993-94			1994-95		
		MB	PB	TOTAL	MB	PB	TOTAL	MB	PB	TOTAL	MB	PB	TOTAL	MB	PB	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1.	Bangalore	106	898	1004	174	1902	2076	219	1379	1598	117	1067	1184	180	972	1152
2.	Bangalore Rural	8	347	355	64	467	531	72	1077	1149	93	746	839	121	513	634
3.	Chitradurga	267	362	629	154	513	667	243	640	883	195	513	708	180	452	632
4.	Kolar	239	1608	1847	64	2077	2141	369	1318	1687	700	1369	2069	491	1111	1602
5.	Shimoga	7	102	109	6	261	267	22	471	493	126	443	569	88	339	427
6.	Tumkur	94	725	819	57	1358	1415	162	525	687	125	526	651	126	543	669
7.	Belgaum	381	1499	1880	477	1352	1829	435	1084	1519	293	913	1206	229	1059	1288
8.	Bijapur	139	1652	1791	93	5919	6012	2010	3130	5140	965	2955	3920	557	2411	2968
9.	Dharwad	685	1452	2137	581	1424	2005	662	1503	2165	590	1397	1987	420	1386	1806
10.	U.Kannada	13	137	150	26	204	230	55	490	545	38	344	382	72	338	410
11.	Bellary	289	3701	3990	239	6612	6851	1736	3550	5286	1068	3168	4236	552	2107	2659
12.	Bidar	1441	1641	3082	610	1584	2194	449	1475	1924	239	1485	1724	229	1360	1589
13.	Gulbarga	1226	5514	6740	2051	2336	4387	680	3180	3860	146	2530	2676	168	3254	3422
14.	Raichur	1335	3925	5260	2813	2645	5458	1334	3975	5309	551	2796	3347	415	2811	3226
15.	Chikmagalur	13	69	82	39	45	74	12	36	48	27	100	127	20	39	59
16.	D.Kannada	211	836	1047	358	1725	2083	297	956	1253	307	580	887	143	529	672
17.	Hassan	10	46	56	28	92	120	46	107	153	27	94	121	20	55	75
18.	Kodagu	11	6	17	12	4	16	5	7	12	6	21	27	4	7	11
19.	Mandya	31	676	707	73	902	975	290	2038	2328	334	1067	1401	194	788	982
20.	Mysore	103	3857	3960	1044	3058	4102	823	2667	3490	401	2000	2401	308	1630	1938
TOTAL		6609	29053	35662	8963	34418	43443	9921	29608	39529	6348	24114	30462	4517	21704	26221

NOTE :- MB = Multi Bacillary
PB = Pauci Bacillary

TABLE NO.7.19

CHILDREN CASES DETECTED OUT OF TOTAL NEW CASES DETECTED
UNDER NATIONAL LEPROSY ERADICATION PROGRAMME FROM 1990-91 TO
1994-95 IN KARNATAKA STATE BY DISTRICT

Sl. District No.	1990-91	1991-92	1992-93	1993-94	1994-95	
1	2	3	4	5	6	7
1. Bangalore	297	366	316	436	396	
2. Bangalore Rural	61	61	64	128	157	
3. Chitradurga	135	130	107	145	111	
4. Kolar	91	224	205	348	242	
5. Shimoga	17	25	9	38	73	
6. Tumkur	68	102	116	139	123	
7. Belgaum	418	369	310	323	612	
8. Bijapur	556	698	973	908	950	
9. Dharwad	451	400	356	373	405	
10. U.Kannada	28	18	51	31	98	
11. Bellary	933	1320	1047	1143	646	
12. Bidar	573	373	537	572	391	
13. Gulbarga	1018	845	1309	1352	1248	
14. Raichur	790	965	1277	923	926	
15. Chikmagalur	2	6	5	10	6	
16. D.Kannada	168	149	214	149	164	
17. Hassan	6	17	14	8	2	
18. Kodagu	-	-	1	-	-	
19. Mandya	105	96	162	180	148	
20. Mysore	487	475	805	476	405	
TOTAL	6204	6639	7878	7682	7103	

TABLE NO 7.20

DEFORMITY CASES DETECTED OUT OF TOTAL NEW CASES DETECTED UNDER
NATIONAL LEPROSY ERADICATION PROGRAMME IN KARNATAKA STATE
FROM 1990-91 TO 1994-95 BY DISTRICT

Sl. District No.	1990-91	1991-92	1992-93	1993-94	1994-95
1. Bangalore	71	57	42	51	21
2. Bangalore Rural	10	17	17	15	24
3. Chitradurga	27	17	20	15	16
4. Kolar	28	80	80	51	35
5. Shimoga	7	3	3	14	10
6. Tumkur	16	16	23	21	25
7. Belgaum	65	52	42	25	34
8. Bijapur	151	114	120	118	98
9. Dharwad	93	72	51	66	68
10. U.Kannada	4	-	2	2	5
11. Bellary	150	83	65	15	10
12. Bidar	79	78	67	63	23
13. Gulbarga	100	75	42	44	27
14. Raichur	102	78	102	36	42
15. Chikmagalur	19	2	1	2	3
16. D.Kannada	48	41	14	17	4
17. Hassan	14	4	5	2	6
18. Kodagu	-	-	-	-	2
19. Mandya	61	6	19	7	23
20. Mysore	70	50	59	95	61
Total	1115	845	774	659	537

TABLE NO.7.21
DISTRICTWISE TARGET AND ACHIEVEMENT OF LEPROSY CASES
DETECTED, TREATED AND DISCHARGED AS CURED DURING THE YEAR 1994-95.

Sl. Division No. District	Leprosy cases detected and treated			Leprosy cases discharged as disease arrested/cured		
	Tar get	Achieve- ment	% of Ach.,	Tar- get	Achieve- ment	% of Ach.,
<u>BANGALORE DIVISION</u>						
1. Bangalore	900	1171	130.11	1540	1152	74.80
2. Bangalore (R)	600	635	105.83	900	634	70.44
3. Chitradurga	600	667	111.16	820	632	77.07
4. Kolar	800	1113	139.12	1950	1602	82.15
5. Shimoga	600	490	81.67	720	427	59.31
6. Tumkur	600	616	102.67	620	669	107.90
<u>BELGAUM DIVISION</u>						
7. Belgaum	600	1662	277.00	1370	1288	94.01
8. Bijapur	2000	2792	139.60	3360	2968	88.33
9. Dharwad	1000	1861	186.10	2180	1806	82.84
10. U.Kannada	300	517	172.33	560	410	73.21
<u>GULBARGA DIVISION</u>						
11. Bellary	2000	2134	106.70	3210	2659	82.83
12. Bidar	1150	1275	110.87	1580	1589	100.57
13. Gulbarga	2000	3094	154.70	3440	3422	99.48
14. Raichur	2000	2748	137.40	3580	3226	90.11
<u>MYSORE DIVISION</u>						
15. Chikmagalur	70	50	71.43	120	59	49.17
16. D.Kannada	400	572	143.00	1020	672	65.88
17. Hassan	60	74	123.33	100	75	75.00
18. Kodagu	20	7	35.00	20	11	55.00
19. Mandya	700	732	104.57	1100	982	89.27
20. Mysore	1600	1809	113.06	1810	1938	107.07
TOTAL	18000	24019	133.44	30000	26221	87.40

TABLE NO.7.22

**DISTRICTWISE PREVALENCE RATE OF LEPROSY CASES IN KARNATAKA
STATE AS ON 31.3.1995**

Sl. Division/ No. District	Population (1991 Census on hand Provisional)	Total Cases on hand	Prevalence Rate/1000 Population
1	2	3	4
5			
<u>BANGALORE DIVISION</u>			
1. Bangalore	4839162	917	0.2
2. Bangalore Rural	1673194	583	0.3
3. Chitradurga	2180443	635	0.3
4. Kolar	2216889	1146	0.5
5. Shimoga	1909663	648	0.3
6. Tumkur	2305819	441	0.2
<u>BELGAUM DIVISION</u>			
7. Belgaum	3583606	1446	0.4
8. Bijapur	2927990	1982	0.7
9. Dharwad	3503150	1760	0.5
10. U.Kannada	1220260	540	0.4
<u>GULBARGA DIVISION</u>			
11. Bellary	1890092	1859	1.0
12. Bidar	1255799	918	0.7
13. Gulbarga	2582169	2346	0.9
14. Raichur	2309887	2301	1.0
<u>MYSORE DIVISION</u>			
15. Chikmagalur	1017283	82	0.1
16. D.Kannada	2694264	745	0.3
17. Hassan	1569684	72	-
18. Kodagu	488455	9	-
19. Mandya	1644374	415	0.3
20. Mysore	3165018	1355	0.4
TOTAL	44977201	20200	0.4

TABLE NO.7.23

(F).NUTRITION PROGRAMMEPROPHYLAXIS AGAINST VITAMIN 'A' DEFICIENCY - COMPARATIVE
PERFORMANCE OVER LAST FIVE YEARS

Year	I Dose			II Dose		
	Target	Ach.,	% of Ach.,	Target	Ach.,	% of Ach.,
1	2	3	4	5	6	7
1990-91	20,00,000	19,09,054	95.5	20,00,000	18,15,433	90.8
1991-92	30,00,000	20,23,847	67.5	30,00,000	25,27,346	84.2
1992-93	27,25,000	22,64,462	83.1	27,25,000	7,41,055	27.2
1993-94	27,39,000	5,99,605	21.9	27,39,000	5,36,341	19.6
1994-95	-	1,84,869	-	-	14,41,699	-

TABLE NO.7.24

**BENEFICIARIES COVERED UNDER VITAMIN 'A' ADMINISTRATION IN
KARNATAKA STATE DURING THE YEAR 1992-93**

KARNATAKA STATE						
Sl. No.	Division/ District	I Dose			II Dose	
		Target	Achieve- ment	% age Ach.,	Achieve- ment	% age Ach.,
<u>I. BANGALORE DIVISION</u>						
1.	Bangalore	67000	57131	85.3	56172	83.8
2.	Bangalore Rural	119000	109183	91.8	55696	46.8
3.	Chitradurga	135000	101717	75.3	58872	43.6
4.	Kolar	181000	136173	75.2	-	-
5.	Shimoga	98000	112805	115.1	-	-
6.	Tumkur	190000	172616	90.9	28932	15.2
<u>II. BELGAUM DIVISION</u>						
7.	Belgaum	236000	207739	88.0	35105	14.9
8.	Bijapur	190000	-	-	-	-
9.	Dharwad	205000	196887	96.0	181451	88.5
10.	U.Kannada	104000	91402	87.9	48968	47.1
<u>III. GULBARGA DIVISION</u>						
11.	Bellary	112000	95840	65.6	-	-
12.	Bidar	67000	65503	97.8	69595	103.8
13.	Gulbarga	162000	129920	80.2	18301	11.3
14.	Raichur	156000	143818	92.2	47628	30.5
<u>IV. MYSORE DIVISION</u>						
15.	Chikmagalur	65000	48764	75.0	10564	16.3
16.	D.Kannada	171000	149451	87.4	41055	24.0
17.	Hassan	100000	92828	92.8	19708	19.7
18.	Kodagu	27000	27925	103.4	27637	102.4
19.	Mandya	104000	95981	92.3	-	-
20.	Mysore	213000	210662	98.9	34803	16.3
Bangalore (ICDS)						
(State Sector)		14000	9379	66.0	6568	46.9
Bangalore (ICDS)						
(Central Sector)		9000	8732	97.0	-	-
TOTAL						
		27,25,000	22,64,462	83.1	7,41,055	27.

TABLE NO.7.25

IMMUNISATION PROGRAMME UNDER ICDS SCHEME - COMPARATIVE
PERFORMANCE OVER LAST FIVE YEARS

Year	Vaccine	Target	Achievement	% of Achievement
1990-91	BCG	6,62,100	4,29,994	64.9
	DPT	6,62,100	3,80,623	57.5
	Polio	6,62,100	3,87,369	58.5
	Measles	6,62,100	3,35,081	50.6
	T.T. (Mothers)	7,15,700	3,20,259	44.7
1991-92	BCG	6,00,141	4,40,221	73.3
	DPT	6,00,141	4,23,103	70.5
	Polio	6,00,141	4,22,827	70.4
	Measles	6,00,141	3,83,117	63.8
	T.T. (Mothers)	6,50,617	4,15,688	63.9
1992-93	BCG	8,09,280	5,56,567	68.8
	DPT	8,09,280	5,17,224	63.9
	Polio	8,09,280	5,16,357	63.8
	Measles	8,09,280	4,80,132	59.3
	T.T. (Mothers)	8,72,024	5,59,388	64.1
1993-94	BCG	8,49,059	6,04,120	71.2
	DPT	8,49,059	5,71,787	67.3
	Polio	8,49,059	5,75,780	67.8
	Measles	8,49,059	5,40,359	63.6
	T.T. (Mothers)	9,43,074	6,18,203	65.6
1994-95	BCG	8,44,726	6,24,515	73.9
	DPT	8,44,726	5,78,521	68.5
	Polio	8,44,726	5,78,837	68.5
	Measles	8,44,726	5,53,189	65.5
	T.T. (Mothers)	9,30,291	6,46,225	69.5

TABLE NO. 7.26

IMMUNISATION PROGRAMME UNDER ICDS IN KARNATAKA STATE BY DISTRICT DURING THE YEAR 1994-95													
Sl. No.	District	TARGET BCG,DPT, POLIO MEASLES	B.C.G		D.P.T		POLIO		MEASLES		T.T (PREGNANT WOMEN)		
			ACHI- EVEMENT	% OF ACH.,	ACHI- EVEMENT	% OF ACH.,	ACHI- EVEMENT	% OF ACH.,	ACHI- EVEMENT	% OF ACH.,	ACHI- EVEMENT	% OF ACH.,	
1.	Bangalore	26000	24772	95.3	26544	102.1	26537	102.1	25747	99.0	28600	27772	97.1
2.	Bangalore Rural	21970	19697	89.7	18638	84.8	18638	84.8	16763	76.3	23950	20419	85.3
3.	Chitradurga	52237	39992	76.6	35799	68.5	35798	68.5	34181	65.4	57783	42270	73.2
4.	Kolar	58000	48827	84.2	45299	78.1	45231	78.0	40852	70.4	64000	49170	76.8
5.	Shimoga	34470	32572	94.5	32431	94.1	32431	94.1	31148	90.4	37790	34120	90.3
6.	Tumkur	52510	45601	86.8	41770	79.5	41804	79.6	40723	77.6	58400	47568	81.5
7.	Belgaum	52945	41190	77.8	37522	70.9	37542	70.9	37794	71.4	59180	38968	65.8
8.	Bijapur	65110	42232	64.9	36519	56.1	40212	61.8	36858	56.6	70290	42845	61.0
9.	Dharwad	74210	48657	65.6	41866	56.4	41877	56.4	39778	53.6	81685	52581	64.4
10.	U.Kannada	13330	7600	57.0	7777	58.3	7801	58.5	6985	52.4	14890	7621	51.2
11.	Bellary	41000	30489	74.4	25790	62.9	25741	62.8	24400	59.5	45250	31107	68.7
12.	Bidar	36184	28377	78.4	22039	60.9	22061	61.0	21586	59.7	38368	23996	62.5
13.	Gulbarga	86000	53397	62.1	47103	54.8	47003	54.7	47593	55.3	94500	53611	56.7
14.	Raichur	46090	30265	65.7	27594	59.9	27553	59.8	28031	60.8	49920	31526	63.2
15.	Chikmagalur	21490	14064	65.4	13328	62.0	13263	61.7	12661	58.9	23500	14913	63.5
16.	D.Kannada	60000	29488	49.1	27926	46.5	27900	46.5	25597	42.7	67500	29083	43.1
17.	Hassan	23110	18140	78.5	19282	83.4	19200	83.1	18024	78.0	25510	21212	83.2
18.	Kodagu	10500	7272	69.3	7390	70.4	7413	70.6	6788	64.6	12030	6818	56.7
19.	Mandya	21810	20137	92.3	20685	94.8	20046	91.9	18750	86.0	24345	22607	92.9
20.	Mysore	47760	41746	87.4	40919	85.7	40786	85.4	38930	81.5	52800	48017	90.9
STATE TOTAL		844726	624515	73.9	578521	68.5	578837	68.5	553189	65.5	930291	646225	69.5

(G). NATIONAL GOITRE CONTROL PROGRAMME

TABLE NO.7.27

PERCENT PREVALENCE OF GOITRE IN KARNATAKA STATE

Sl. Division/ No. District	Total No. of Villages covered	Total Population covered	Total No. of Goitre cases	Percent Preval- ence	
1	2	3	4	5	6
<u>BANGALORE DIVISION</u>					
Bangalore City *	-	16,895	5,237	31.00	
1. Bangalore	8	5,373	93	1.73	
2. Bangalore Rural	29	15,853	264	1.79	
3. Chitradurga	25	15,738	156	0.99	
4. Kolar	4	2,048	61	2.98	
5. Shimoga	50	22,003	1,525	6.93	
6. Tumkur	37	17,328	388	2.24	
<u>BELGAUM DIVISION</u>					
7. Belgaum	21	16,243	411	2.53	
8. Bijapur	11	5,303	244	4.60	
9. Dharwad	35	23,680	374	1.58	
10. U.Kannada	25	15,091	1,611	10.67	
<u>GULBARGA DIVISION</u>					
11. Bellary	16	10,054	101	1.00	
12. Bidar	12	8,805	473	5.37	
13. Gulbarga	21	9,582	465	4.85	
14. Raichur	12	7,765	151	1.94	
<u>MYSORE DIVISION</u>					
15. Chikmagalur	5	3,196	1,314	41.11	
16. D.Kannada	17	15,644	2,219	14.18	
17. Hassan	35	21,553	441	2.05	
18. Kodagu	6	4,623	1,069	23.12	
19. Mandya	5	2,976	36	1.21	
20. Mysore	30	14,475	234	1.62	
<hr/>					
TOTAL	404	2,54,228	16,887	6.64	

NOTE:1.Prevalence Rate is based on the survey report, survey conducted during the period Sept 1988 to March 1991.
 *2.Government of India Survey Team conducted guideline Survey in Bangalore City during the year 1992-93.

(H). COMMUNICABLE DISEASES CONTROL PROGRAMME
TABLE NO. 7.28

COMPARATIVE PERFORMANCE OVER LAST FIVE YEARS									
Year	Japanese Encephalitis		Kyasanur Forest Disease		Gastro Enteritis		Cholera		Anti Cholera Inoculations done
	Atta-cks	Dea-ths	Confi-rmed for K.F.D	Dea-ths	Atta-cks	Dea-ths	Atta-cks	Dea-ths	
1990	138	47	418	19	8,565	391	448	15	9,21,571
1991	308	114	142	16	17,455	691	747	15	11,84,832
1992	58	15	191	5	15,262	608	402	14	12,50,315
1993	287	67	699	3	36,206	855	424	13	31,19,616
1994	125	47	18	-	15,932	325	304	10	8,52,933

TABLE NO. 7.29

NO.OF CASES AND DEATHS DUE TO JAPANESE ENCEPHALITIS IN KARNATAKA STATE DURING THE YEAR 1994

Sl. No. District	Cases	Deaths	No.of Children Immunised	
			I Dose	II Dose
1. Bangalore	1	1	-	-
2. Kolar	12	4	-	-
3. Hassan	1	-	-	-
4. Bellary	27	5	-	-
5. Mandya	33	14	-	-
6. Mysore	51	23	-	-
Total	125	47	-	-

TABLE NO.7.30

NO. OF CASES AND DEATHS DUE TO KYASANUR FOREST DISEASE DURING
THE YEAR 1994

Sl. No.	District	No.of suspected Cases	No. confirmed for K.F.D	No.of Deaths
1.	Shimoga	18	-	-
2.	U.Kannada	39	12	-
3.	Chikmagalur	51	6	-
4.	Dakshina Kannada	2	-	-
Total		110	18	-

ES-100
C4898

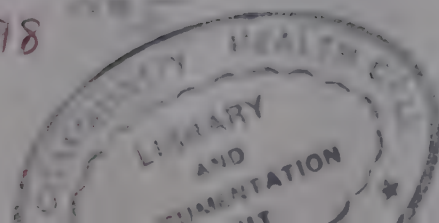


TABLE NO.7.31

NO. OF CASES AND DEATHS DUE TO GASTROENTERITIS, CHOLERA AND
ANTI-CHOLERA INOCULATIONS DONE DURING THE YEAR 1994

Sl. No.	Division/ District	Gastroenteritis		Cholera		Anti-Cholera Inoculations done
		Cases	Deaths	Cases	Deaths	
1	2	3	4	5	6	7
BANGALORE DIVISION						
1.	Bangalore	1176	17	4	-	2949
2.	Bangalore Rural	184	2	20	-	2733
3.	Chitradurga	3195	12	11	1	30621
4.	Kolar	976	31	48	-	22729
5.	Shimoga	159	10	1	1	53057
6.	Tumkur	488	20	12	-	6609
BELGAUM DIVISION						
7.	Belgaum	204	10	2	-	38762
8.	Bijapur	855	19	1	-	69040
9.	Dharwad	379	16	7	-	26221
10.	U.Kannada	-	-	-	-	-
GULBARGA DIVISION						
11.	Bellary	573	26	-	-	61556
12.	Bidar	1023	8	2	-	122291
13.	Gulbarga	1935	47	35	-	172166
14.	Raichur	1321	28	4	-	97185
MYSORE DIVISION						
15.	Chikmagalur	454	17	11	3	17950
16.	D.Kannada	98	5	50	1	6740
17.	Hassan	350	21	21	1	36384
18.	Kodagu	242	9	-	-	375
19.	Mandya	550	9	28	1	11316
20.	Mysore	1770	18	47	2	74249
Total		15932	325	304	10	852933

TABLE NO.7.32

CASES AND DEATHS DUE TO COMMUNICABLE DISEASES DURING THE YEARS
1993 AND 1994

Sl. Name of the Diseases No.		1993		1994	
		Cases	Deaths	Cases	Deaths
1	2	3	4	5	6
1.	Acute Diarrhoeal Diseases including Gastroenteritis and cholera	5,71,863	343	7,11,126	339
2.	Diptheria	317	6	314	11
3.	Acute Poliomyelitis	216	-	248	3
4.	Tetanus i) Neonatal	761	54	263	26
	ii) Others	952	110	1,574	205
5.	Whooping Cough	5,855	3	4,182	1
6.	Measles	2,845	10	2,749	12
7.	i) Acute Respiratory Infection	8,96,076	147	10,72,449	236
	ii) Pneumonia	16,574	68	20,820	89
8.	Enteric Fever	33,451	22	22,101	24
9.	Viral Hepatitis	2,629	58	8,017	85
10.	Japanese Encephalitis	498	49	934	9
11.	Meningococcal Meningitis	478	35	767	23
12.	Rabies/Dogbite	1,424	34	2,678	59
13.	Syphilis	5,597	-	7,440	-
14.	Gonococcal Infection	6,352	9	7,923	-
15.	Tuberculosis	43,786	537	48,525	540
16.	All other Diseases	67,26,675	7,461	73,54,617	6612
Total		83,16,349	8,946	92,66,727	8274

(I). AIDS CONTROL PROGRAMME

TABLE NO.7.33

AIDS SURVEILLANCE AMONG THE HIGH RISK GROUP-COMPARATIVE
SITUATION OVER LAST FIVE YEARS

Sl. No.	Year	Number Examined	No. Positives	No.of Deaths
1.	1990	48,348	58	1
2.	1991	66,828	86	1
3.	1992	1,02,336	168	1
4.	1993	76,237	868	9
5.	1994	24,209	425	12

TABLE NO.7.34

AIDS POSITIVE CASES DURING THE YEAR 1994

Sl.No.	District	Total Positive	Deaths
1.	Bangalore	81	2
2.	Dharwad	19	2
3.	Chitradurga	20	-
4.	Bijapur	30	-
5.	Raichur	8	2
6.	Bellary	13	-
7.	Dakshina Kannada	52	3
8.	Kolar	4	-
9.	Mandya	20	-
10.	Tumkur	7	-
11.	Mysore	13	-
12.	Shimoga	6	-
13.	Gulbarga	15	-
14.	Hassan	1	-
15.	Kodagu	-	-
16.	Chikmagalur	4	1
17.	Belgaum	4	-
18.	Bidar	2	-
19.	Uttara Kannada	4	2
20.	Foreigners	2	-
21.	Reports awaited	85	-
22.	Other State	35	-
Total		425	12

TABLE NO.7.35

AIDS SURVEILLANCE AMONG THE HIGH RISK GROUP DURING
THE YEAR 1994

Sl. No.	Specimen Category	Number examined	Number Positives
1.	Hetrosexually promiscuous (Prostitutes, STD Patients etc)	2021	94
2.	Prisoners	1006	14
3.	I.V.Drug Users	2638	16
4.	Blood Donors	8605	18
5.	S.D.S.Sanitorium	910	12
6.	Antenatal mothers	-	-
7.	Patients on dialysis	1698	17
8.	Suspected ARC AIDS Patients	1838	72
9.	Relatives of AIDS Patients	-	-
10.	Others		
	a) Foreigners	1861	5
	b) Students	190	7
	c) Others	1328	47
	d) Not specified	1118	107
	e) Surgery	996	16
TOTAL		24,209	425

(J).SCHOOL HEALTH PROGRAMMETABLE NO.7.36
PERFORMANCE FROM 1990-91 TO 1994-95

PERFORMANCE FROM 1990-91 TO 1994-95						
		Y	E	A	R	S
SL. NO.	Particulars	1990-91	1991-92	1992-93	1993-94	1994-95
1	2	3	4	5	6	7
1.	No. of Primary Health Centres under School Health Programme	1148	1198	1262	1297	1459
2.	No. of Primary and Higher Primary Schools	33672	35962	35948	36195	39599
3.	No. of Students					
	Ist Standard	1024046	1110709	1269418	1282112	1208143
	IVth Standard	676822	836735	826017	834277	922101
	VIIth Standard	487872	463834	434692	439038	575736
4.	No. of Students Medically Examined.					
	Ist Standard	435819	666716	690035	953846	775764
	IVth Standard	106352	428133	509887	716559	650270
	VIIth Standard	99227	350396	394794	644706	480248
5.	No. of Students found Defective					
	Ist Standard	48913	73453	78827	131255	}
	IVth Standard	14566	53984	59079	80066	}
	VIIth Standard	10503	35924	40398	63466	}
6.	No. of Students followed up for Defects					
	Ist Standard	19114	41118	33274	63637	}
	IVth Standard	6547	29533	24493	42343	}
	VIIth Standard	4556	22586	18383	31080	}
7.	Immunisation Services provided					
i.	No. of Children given D & T Vaccine					
	Ist Dose	462245	533301	474626	647485	408969
	2nd Dose	473433	626729	519615	778498	515657
	Booster Dose	124339	208660	237490	308671	396362

1	2	3	4	5	6	7
ii. No.of Children given Typhoid Vaccine						
Ist Dose	-	-	-	-	-	-
2nd Dose	-	-	-	-	-	-
Booster Dose	-	-	-	-	-	-
iii. No.of Children given Tetanus Toxoide						
Ist Dose	3,20,719	4,30,921	3,92,538	5,89,023	3,66,191	
2nd Dose	4,26,084	4,74,754	4,20,926	2,77,792	5,02,838	
Booster Dose	40,484	1,43,805	1,60,800	8,66,815	2,16,866	
iv. No.of Children given BCG Vaccine						
	-	-	-	-	-	
8. No.of Teachers Trained in School Health..						
	496	7,324	8,082	13,082	8,878	
9. No.of Medical Officers Trained in School Health						
	554	1,286	1,524	2,942	536	
10. No.of Schools with School Lunch						
	778	6,327	3,486	29,702	7,387	

108
TABLE NO.7.37

PERFORMANCE OF MOBILE OPHTHALMIC - CUM - DENTAL SPECIALISTS UNITS FROM 1990-91 TO 1994-95

NO.OF PHC's VISITED	1990-91		1991-92		1992-93		1993-94		1994-95	
	73	105	100	124	119					
	STANDARD		STANDARD		STANDARD		STANDARD		STANDARD	
	I	IV	VII	I	IV	VII	I	IV	VII	I
i) No. Examined										
a) Dental	14077	11089	10016	27283	23954	19845	16613	14402	14527	13355
b) Ophth.	4960	5907	5576	23426	22189	19266	19709	17484	18156	16963
ii) No. Defective										
a) Dental	3111	3533	3615	7820	9600	7325	4512	5933	4663	2811
b) Ophth.	11166	10287	10801	1725	2254	2084	1324	1731	1797	657
iii) No. Treated										
a) Dental	1320	1502	1982	3201	4207	2749	1913	2476	2237	3626
b) Ophth	1170	1298	1677	1556	1798	1593	1254	1638	1671	621
NO. OF PERSONNEL TRAINED UNDER MULTIPURPOSE WORKER'S SCHEME										
	1990-91	1991-92	1992-93	1993-94	1994-95					
Medical Officer of Health of PHCs. 234		158	160	266	237					

(K).PUBLIC HEALTH INSTITUTE

TABLE NO.7.38

PERFORMANCE OVER LAST FIVE YEARS

		YEARS				
		1990-91	1991-92	1992-93	1993-94	1994-95
1.MANUFACTURING OF VACCINE						
a)Anti-Cholera Vaccine	547000 ml	355000 ml	502500 ml	1242000 ml	566000 ml	
b)Anti-Typhoid Vaccine	25800 ml	5800 ml	70000 ml	-	23000 ml	
2.BACTERIOLOGICAL ANALYSIS OF WATER						
a)i.No.of Motion Samples received and examined	1353	2270	1887	4075	1359	
ii.No.found to be Positive for Vibrio Cholera	221	431	249	274	126	
b)No.of Water Samples received and examined	1920	1731	1809	2711	1368	
c)No.of Blood Samples received for VDRL/Widal	20	61	36	-	-	
3.FOOD AND WATER ANALYSIS						
a)No.of Samples received and examined from Notified Area	1959	2348	1794	1808	1037	

YEARS

	1990-91	1991-92	1992-93	1993-94	1994-95
b) No. of Samples found adulterated	107	153	93	106	55
c) No. of Food samples received & examined from Govern- ment Insti- tutions, Govt., Hospitals & Private Parties (Other than PFA)	517	511	639	629	-
d) No. of Water effluents and sewage samples received & examined	622	1137	1660	1591	82

(L).VACCINE INSTITUTE, BELGAUM

TABLE NO.7.39

MANUFACTURE OF ANTI-RABIES VACCINE (IN ML)

Year	Target	Achievement	Percentage of Achievement
1990-91	25,00,000	27,53,780	110.1
1991-92	25,00,000	27,50,640	110.0
1992-93	25,00,000	27,69,480	110.8
1993-94	25,00,000	27,50,640	110.0
1994-95	25,00,000	27,77,356	111.1

(M).VIRUS DIAGNOSTIC LABORATORY, SHIMOGA

TABLE NO.7.40

MANUFACTURE OF K.F.D. VACCINE

Year	Vaccine Manufactured (in ml)
1990	1,28,720
1991	76,880
1992	1,21,670
1993	43,650
1994	27,60,060

CHAPTER VIII

FAMILY WELFARE, MCH AND IMMUNISATION PROGRAMME



FAMILY WELFARE PROGRAMME:

Karnataka State has implemented Family Welfare Programme since 1952 and has maintained a good lead in the Country by slowing down the population growth rate of 2.6% in 1981 to 1.9% in 1991 Census.

The Family Welfare Programme is being implemented with 100% Central Assistance. The Family Welfare Services are being provided through a net work of 1459 Primary Health Centres, 600 Primary Health Units, 7993 Sub-Centres, 103 Post Partum Centres and 102 Urban Family Welfare Centres. Out of 102 Urban Family Welfare Centres, 87 Urban Family Welfare Centres catering services independently and the others merged with District Level Post Partum Centres.

The objective of the National Health Programme is to stabilize the population growth. Towards this end it has an operation goal of achieving the crude birth rate of 21 from the present level of 24.9, the death rate to below 9% but this has already been achieved and it is 8.1 per 1000 population, I.M.R is 65 at present to 60 per 1000 live births and couple protection rate from the current level of 54.81% to 60%.

ORGANISATIONAL SET UP:

The Additional Director(FW&MCH) is in charge of the Family Welfare & MCH Programme at State Level, Divisional Joint Director of Health and Family Welfare Services at four Divisions, District Health and Family Welfare Officers at District Level and Medical Officers of Primary Health

Centres at Block Level are made responsible for implementation of Family Welfare and MCH Programmes.

FAMILY WELFARE PROGRAMME - STRATEGY:

- (a) Karnataka occupies a unique and distinct place in the field of Family Welfare Programme. Recognising the importance of the health of mother and new born, two birth control clinics were established one at Victoria Hospital, Bangalore and another at K.R Hospital, Mysore by the foresighted and benevolent His Highness the Maharaja of Mysore as early as in 1930.
- (b) In Karnataka State as in the Country, the Family Welfare Programme is being implemented right earnestly from 1952.
- (c) Shifted from clinical approach to extension approach from 1964-65 onwards.
- (d) On account of priority attached to the Family Welfare Programme, the Programme was made target oriented and time bound with necessary financial support from 1966-67 onwards.
- (e) Family Welfare Programme was made people's programme by introducing new strategies from time to time.
- (f) Voluntary Organisations, Private Practitioners were encouraged right from 1968-69.

- (g) The Post Partum approach was adopted to give a boost to the Family Welfare Programme.
- (h) As MCH Services play an important role in promoting Family Welfare Programme, MCH Services were made an integral part of Family Welfare Programme.
- (i) Since the population policy enunciated by the Government of India in 1976, population education and involvement of all Governmental Departments in the implementation of Family Welfare Programme is given much importance.
- (j) In order to give further fillip to the Family Welfare Programme, Medical Termination of Pregnancy was liberalised with the enactment of MTP Act in 1971, is also adopted in the State.

FAMILY WELFARE & IMMUNIZATION - SERVICE PROVIDED:

Department of Health and Family Welfare has taken all measures to reduce the infant mortality and maternal mortality rates through intensive immunization programme and prophylaxis against nutritional anaemia among pregnant women and children. Couples who are having two children are motivated for terminal methods and those couples who are having less than two and just married couples are motivated for spacing methods. Family Welfare Services are being delivered at the door-steps of the couples in order to encourage and improve the services to the people.

- i) The Family Welfare Programme is being implemented in the State purely on voluntary basis.
- ii) Small Family Norm is being advocated to all eligible couples by extension approach.
- iii) The Family Welfare, MCH and Immunization Services are provided through 1459 Primary Health Centres, 600 Primary Health Units, 7993 Sub-Centres, 64 Sub-District Level(Rural area) Post Partum Centres.
- iv) 87 Urban Family Welfare Centres run by Government, Voluntary Organisations and Local Bodies and 39 Post Partum Centres run by Government and Voluntary Organisations are providing Family Welfare and Immunization Services in Urban areas.
- v) The Family Welfare Services, both terminal and spacing methods are provided on cafeteria approach in institutions and through camps.
- vi) Non-terminal methods of contraceptives and oral pills are provided at the door-steps of the eligible couples by Junior Health Assistant(Male and Female).
- vii) The Senior Health Assistant(Female)and Junior Health Assistant(Female)are also given training

and drafted for IUD insertion to popularise and improve adoption of spacing method.

- viii) Immunization Services against six killer diseases such as DPT, Polio, BCG, Measles, DT & TT(PW) are being provided through all Health and Medical institutions and also at the door-steps by the field staff.

OTHER FACILITIES;

- i) Supply of Drugs to the tune of Rs.2,000/- to each Sub-Centre.
- ii) Diesel generators have been supplied to major district and taluk level hospitals to ensure uninterrupted power supply to the Operation Theatre for conducting sterilisation operations.
- iii) Private Nursing Homes have been recognised for conducting sterilisation operation.
- iv) The Family Welfare Action Committees at District and Taluka Level have been reconstituted to review Family Welfare achievements every month.
- v) Inter-sectoral co-ordination has been developed among State Government Departments viz: Women and Children Welfare, Education, Revenue, Information and publicity etc.

MATERNAL & CHILD HEALTH SERVICES:

Maternal and Child Health Services are playing a vital role in assuring child survival and improvement in mother's health, reducing infant mortality and maternal mortality which leads to higher acceptance of Family Welfare methods.

The following are the M.C.H Services being rendered to the community in the State:

- i) Registration of pre-natal cases.
- ii) Safe delivery services by Health Workers and Trained Dais.
- iii) Pre-natal, Post-natal and new born care.
- iv) Gamma radiated disposable delivery kits have been distributed to expectant mothers.
- v) Health Assistants (Female) are educating the mothers on diarrhoeal diseases and distributing ORS packets besides distributing Vitamin 'A' solution to the 1 - 5 years children under the National Programme of Control of Blindness (NPCB).

UNIVERSAL IMMUNIZATION PROGRAMME;

There are 12 lakh children being born every year in Karnataka. out of which, 1 lakh children dies before completing their first anniversary and 0.15 lakh children die by the age of 5 years.

Of these 1.5 lakh deaths, it is estimated that half of them die due to six preventable childhood diseases.

Ministry of Health, Government of India launched Universal Immunization Programme in 1985-86 which aims at immunizing all beneficiaries.

- i) All the twenty districts have been covered under this programme by the end of 1989-90.
- ii) All districts under this programme have been provided with ice lined refrigerators, vehicles, staff and funds for training, contingency expenses and additional funds for IEC activities.
- iii) Potency testing of O.P Vaccines is being carried out regularly in the State in order to ensure the potency of the oral polio vaccines. The samples sent for potency tests ensured 95% satisfaction.

CHILD SURVIVAL AND SAFE MOTHERHOOD PROGRAMME;

This programme is being implemented during 1992-93 in Seven Districts Viz : Chikmagalur, Bangalore (Rural), Bangalore(Urban), Kolar, Tumkur, Shimoga and Chitradurga with the following objectives.

- 1) To reduce infant mortality rate from 65 to 60 per 1000 by 2000 A.D.
- 2) To reduce child mortality rate from 41 to less than 10 by 2000 A.D.

- 3) Maternal Mortality Rate from 4 to 2 per 1000 live births by 2000 A.D.
- 4) Polio eradication by 2000 A.D.
- 5) Neo-natal Tetanus elemination by 2000 A.D. Training of District core Group trainers of Chitradurga, Chikmagalur, Bangalore(U), Bangalore(R), Tumkur, Shimoga and Kolar were completed.

TRAINING PROGRAMME;

i) JUNIOR HEALTH ASSISTANT (FEMALE) TRAINING

There are 19 Training Centres, one in each district functioning in the state with an admission capacity of 30 candidates per centre.

ii) SENIOR HEALTH ASSISTANT (FEMALE) TRAINING:

There are four centres functioning at Bangalore, Mangalore, Belgaum and Gulbarga for giving training to in-service Junior Health Assistant(Female) which is necessary for their promotion with an admission capacity of 30 candidates each.

iii) DAIS TRAINING:

Local Dais are being trained for 30 working days at Primary Health Centres and Sub-Centre by paying stipened of Rs.300/- per month per candidate.

After the training, they will be given a delivery kit and they are paid Rs.3.00 per delivery, conducted by Dai.

iv) CRASH TRAINING PROGRAMME:

The Health Assistant(Female) Senior and Junior are drafted for Crash Training Programme in technique of IUD insertion at the Post Partum Centres at the District Level.

v) MEDICAL TERMINATION OF PREGNANCY TRAINING PROGRAMME:

Medical Termination of Pregnancy Training is being given to the Doctors working in various Hospitals/ Primary Health Centres and Primary Health Units in 10 Training Institutions attached to the teaching institutions for 30 days.

vi) LAPAROSCOPIC TRAINING:

Laparoscopic Sterilisation Technique Training will be given to the Doctors who have completed Post Graduate or Diploma in OBG with one O.T Nurse and one O.T.Attendant at Vani Vilas Hospital, Bangalore, K.M.C. Hospital, Hubli, Kasturba Medical College, Manipal, District Hospital, Bellary, District Hospital, Gulbarga and Cheluvamba Hospital, Mysore for 45 days.

vii) CONDENSED GENERAL NURSING TRAINING:

Lady Health Visitors are provided condensed General Nursing Training for the period of six months with admission capacity of 30 candidates, each at District Hospital, Chitradurga and Dharwad are functioning.

POST PARTUM PROGRAMME:

Post Partum Programme is the Maternity based approach under Family Welfare Programme to motivate the women or their spouse in the reproductive age group for adopting small family norm through education and motivation, as the Post Partum period is the most appropriate period to carry out the message of Family Welfare to the recently delivered women in the hospitals, since they will be more receptive to the idea of limiting the family size.

MASS EDUCATION AND MEDIA ACTIVITIES:

Mass Education and Media Activities are carried out in the State through the District Health Education Officers, Deputy District Health Educators and Block Health Educators in Rural areas and Post Partum Centres and Urban Family Welfare Centres in Urban Areas.

The following are the main IEC activities planned and completed during the year 1994-95.

- i) 4000 low performing villages with a population of 1000 or more have been identified and Mahila Swasthya Sanghas have been constituted for health and Family Welfare Education activities and continued during 1994-95.
- ii) 146 Training Camps have been organised to educate women in population problems.
- iii) 4699 well baby shows and mother classes have been organized during 1994-95.
- iv) 128 Orientation training camps have been arranged for the training of Teacher's Associations to involve them in Family Welfare and MCH Programmes.

The physical targets and achievements of MEM activities during the year 1994-95 are as follows:-

I.E.C. Activities	PHYSICAL	
	Target	Achievements
Mahila Swasthya Sangha		
1) Constitution of MSS	4000	4000
a) Newly Married Couples sessions	4000	3886
b) One Child Couples Sessions	4000	3764
c) Healthy (Well) Baby Shows	5205	4699
d) Training of M.S.S.Members and Other gross root level functionaries	1205	1006
2) Work Shop (Training) to voluntry Organisations	154	138
3) Training of School teachers	125	128
4) IEC Training of Medical Officers	8	6
5) IEC Training of Supervisory Staff	17	7
6) Joint training of Anganawadi workers and ANMS	170	146
7) Debate & Quiz for PUC Students	100	102
8) Folk Media Programmes	1200	1501
9) Film Shows	4800	6866
10) Exhibition	4800	1477
11) Multe Media Programmes	-	28
12) Press Advertisement	-	136
13) Film Strip Shows	57000	18018
14) Dais Training Programme (FW)	Nil	Nil

TABLE NO.8.1

**INFRASTRUCTURE FACILITIES
AVAILABLE FOR RENDERING FAMILY WELFARE
SERVICES IN KARNATAKA AS ON 31-3-1995**

A. Institutions;		
1.	State Family Welfare bureau	: 1
2.	City Family Welfare Bureau	: 2
3.	Post Partum Centres(a to d)	: 103
	a) A Type	: 12
	b) B Type	: 10
	c) C Type	: 17
	d) Sub District Level Institutions	: 64
4.	District Family Welfare Bureau	: 20
5.	Urban Family Welfare Centres (a to d)	: 87
	a) Government	: 41
	b) Local Bodies	: 24
	c) Voluntary Organisations	: 19
	d) Public Sector Undertakings	: 3
6.	Primary Health Centres	: 1459
7.	Rural Family Welfare Centres	: 269
8.	Primary Health Units	: 600
9.	Sub-Centres	: 8093
10.	M,T,P, Centres	: 471
	a) Government	: 325
	b) Private	: 146
11.	Health and Family Welfare Training Centres	: 5
12.	The major Hospitals where the Recanalisation facilities are available.	
	a) For Vasectomised Cases:	
	1) Victoria Hospital, Bangalore.	

- 2) Bowring and Lady Curzon Hospital, Bangalore
- 3) K.R.Hospital, Mysore
- 4) K.M.C Hospital, Hubli
- 5) Medical College Hospital. Bellary.

b) For Tubectomised cases:

- 1) Bowring and Lady Curzon Hospital, Bangalore.
- 2) Karnataka Medical College Hospital, Hubli.
- 3) District Hospital, Bellary

TABLE NO.8.2

**FAMILY WELFARE PROGRAMME - INSTITUTIONS BY DISTRICT
AS ON 31.03.1995**

Sl.No Districts	UFWC	PPC	PHC	RFWC	Sub Cen- tres	F.W. Cen- tres	MTP Centres
1. Bangalore(U)	35	5	29	7	137	95	40
2. Bangalore(R)	-	3	64	12	283	180	16
3. Chitradurga	1	5	78	13	449	79	20
4. Kolar	2	5	72	15	368	173	23
5. Shimoga	2	6	66	10	372	232	16
6. Tumkur	1	4	86	16	411	208	21
7. Belgaum	5	8	118	21	593	250	12
8. Bijapur	2	6	93	21	441	178	8
9. Dharwad	11	6	91	24	586	163	25
10. Uttara Kannada	3	3	56	11	312	125	21
11. Bellary	2	3	58	12	255	170	6
12. Bidar	-	4	38	9	227	82	39
13. Gulbarga	5	7	92	17	492	162	70
14. Raichur	1	7	74	15	364	118	16
15. Chikmagalur	1	5	43	8	331	63	8
16. Dakshina Kannada	6	5	119	17	700	296	27
17. Hassan	1	6	69	11	458	105	23
18. Kodagu	-	3	28	3	162	91	11
19. Mandya	1	5	59	9	372	123	14
20. Mysore	8	7	126	18	680	361	54
Total	87	103	1459	269	7993	3254	471

TABLE NO - 8.3

NUMBER OF LAPROSCOPES AVAILABLE AND
DOCTORS TRAINED IN LAPROSCOPY IN
KARNATAKA STATE AS ON 31.03.1994

Sl. No.	District	Laproscopes as on 1.3.94	Doctors Trained
01.	Bangalore (U)	31	19
02.	Bangalore(R)	10	8
03.	Chitradurga	10	6
04.	Kolar	9	8
05.	Shimoga	10	8
06.	Tumkur	10	11
07.	Belgaum	7	12
08.	Bijapur	8	15
09.	Dharwad	13	20
10.	Uttara Kannada	9	6
11.	Bellary	14	9
12.	Bidar	6	10
13.	Gulbarga	15	9
14.	Raichur	10	8
15.	Chikmagalur	6	9
16.	Dakshina Kannada	17	24
17.	Hassan	6	11
18.	Kodagu	8	17
19.	Mandya	9	17
20.	Mysore	13	23
	Head Office, Bangalore	1	-
	D.J.D. Office, Mysore	6	-
	TOTAL	228	250

TABLE 8.4
FAMILY WELFARE PROGRAMME IN KARNATAKA STATE TARGETS AND ACHIEVEMENTS
FROM 1990-91 TO 1994-95

ITEM	1990-91	1991-92	1992-93	1993-94	1994-95
STERILISATION;					
1. TARGET	360000	345000	360000	380000	418000
2. ACHIEVEMENT	282628	301639	331554	356344	371535
a. Vasectomy	1071	754	547	427	485
b. Tubectomy	281557	300885	331007	355917	371080
i. Minilap	227514	237257	251930	261283	272212
ii. Laproscopic	54043	63628	79077	94634	98238
Percentage of item					
2 to 1	78.5	90.0	92.0	93.7	88.9
Percentage of 2(b)					
to 2	99.6	99.7	99.8	99.9	99.9
Percentage of 2(b)					
ii to 2b	19.1	21.1	23.8	26.6	26.6
I.U.D					
1. Target	262000	275000	290000	300000	331000
2. Achievement	209501	233390	237820	274084	299504
a. Lippes loop	-	-	-	-	-
b. Copper T	209501	233390	237820	274084	299504
Percentage of 2 to 1	80.0	84.1	82.0	91.4	90.5
Percentage of					
2(b) to 2	100.0	100.0	100.0	100.0	100.0
C.C USERS;					
1. Target	264630	270000	280000	357000	393000
2. Achievement	231493	255296	265022	318502	395100
Percentage of					
2 to 1	87.5	94.6	94.6	89.2	100.5
O.P USERS;					
1. Target	77900	80000	112000	140000	155000
2. Achievement	71924	83401	81561	109037	138232
Percentage of 2 to 1	92.3	104.2	72.8	77.8	89.2

TABLE NO.8.5
PROGRESS UNDER FAMILY WELFARE PROGRAMME IN KARNATAKA STATE BY DISTRICT DURING THE YEAR 1994-95

SL. NO.	NAME OF THE DIVISION	STERILISATION			I.U.D			C.C			USERS			O.P			USERS
		TARGET	ACHIEVEMENT	PERCENT TAGE	TARGET	ACHIEVEMENT	PERCENT TAGE	TARGET	ACHIEVEMENT	PERCENT TAGE	TARGET	ACHIEVEMENT	PERCENT TAGE	TARGET	ACHIEVEMENT	PERCENT TAGE	
1a.	B'lore City Corp	29100	29065	99.88	25600	25841	100.94	28000	18972	67.66	11000	7920	72.00				
1b.	Bangalore(U)PHCs	11700	12046	102.96	9600	8659	90.20	9500	10183	107.19	4000	3741	93.53				
1.	Bangalore(U)Total	40800	41111	100.76	35200	34500	98.01	37500	29155	77.75	1500	11661	77.74				
2.	Bangalore(R)	17500	17750	101.43	13100	13173	100.56	13400	14321	106.87	5500	4775	86.82				
3.	Chitradurga	21300	18497	86.84	16000	13798	86.24	18300	17647	96.43	7600	7381	97.12				
4.	Kolar	22600	20557	90.96	17000	15997	94.18	21500	28324	131.74	7600	8888	116.95				
5.	Shimoga	16000	16316	101.98	14800	14255	96.32	17000	15815	93.03	6600	6496	98.42				
6.	Tumkur	21000	19292	91.87	16500	16272	98.62	19800	19687	99.43	9000	7486	82.29				
B'lore dn.Total		139200	133523	95.92	112600	107995	95.91	127500	124949	98.00	51300	124949	90.85				
7.	Belgaum	34400	32374	94.11	26200	28542	108.94	31400	34125	108.68	13000	12490	96.08				
8.	Bijapur	29500	21660	73.42	21600	17139	79.35	27400	25881	94.46	11000	9195	83.59				
9.	Dharwad	34400	31094	90.39	25100	22627	90.15	30500	30217	99.07	12500	11155	89.24				
10.	U.Kannada	10300	7307	70.94	9400	6589	70.10	10100	12579	124.54	4000	3859	96.48				
Belgaum Dn.Tl		108600	92435	85.12	82300	94897	91.00	99400	102802	103.42	40500	36699	90.61				
11.	Bellary	19800	14177	71.60	17000	13050	76.76	18100	14817	81.86	7800	6539	83.83				
12.	Bidar	13000	11347	87.28	9000	7536	83.73	10800	8853	81.97	4400	3392	77.09				
13.	Gulbarga	26000	17029	65.50	18400	13086	71.12	27100	20363	75.14	11000	7856	71.42				
14.	Raichur	24000	14401	60.00	16000	11510	71.94	21000	17973	85.59	8600	6670	77.56				
Gulbarga dn.Tl.		82800	56954	68.79	60400	45182	74.80	77000	62006	80.53	31800	24457	76.91				
15.	Chikmagalur	8500	8355	98.29	7200	6632	92.11	8800	9948	113.02	2500	2667	106.68				
16.	D.Kannada	18400	18438	100.21	18500	15663	84.66	22000	20689	94.04	8100	6692	82.62				
17.	Hassan	12600	14193	112.64	10500	10619	101.13	12700	16615	130.83	4400	5021	114.11				
18.	Kodagu	4300	3539	82.30	4000	3718	92.95	4300	4999	116.26	1600	1448	90.50				
19.	Mandya	14200	15448	108.79	11500	12081	105.05	14500	17881	123.32	5100	5016	98.35				
20.	Mysore	29400	28650	97.45	24000	22717	94.65	26800	35213	131.39	9700	9625	99.23				
Mysore Dn.Tl		87400	88623	101.40	75700	71430	94.36	89100	105343	118.23	31400	30469	97.04				
STATE TOTAL		418000	371535	88.88	331000	299504	90.48	393000	395100	100.53	155000	138232	89.18				

TABLE NO.8.6
PROGRESS UNDER MCH PROGRAMME IN KARNATAKA STATE
FROM 1990-91 to 1994-95.

Years	Expected ANCs to be registered	Total No.of ANCs regis- tered	Percentage
1990-91	12,98,030	10,68,373	82.3
1991-92	12,48,700	11,60,068	92.2
1992-93	11,56,400	12,87,207	111.5
1993-94	13,29,000	12,10,030	93.0
1994-95	13,16,000	11,75,562	89.3

TABLE NO.8.7

DELIVERIES CONDUCTED BY ANMS, TRAINED DAIS
AND OTHERS FROM 1990-91 TO 1994-95

Years	ANMS	Trained Dais		Others (Relations & Untrained Dais)
		Regis- tered	Unregis- tered	
1990-91	4,71,919	1,75,088	21,169	1,00,496
1991-92	4,95,354	1,70,427	15,167	87,424
1992-93	5,25,011	1,85,951	16,348	80,831
1993-94	2,77,598	2,14,768	-	65,932
1994-95	2,52,319	2,07,571	-	54,889

TABLE NO.8.8
TRAINING OF DAIS IN KARNATAKA FROM 1990-91 TO 1994-95

Year	Target	Achievement	% of Achievement
1990 - 91	3,500	2,698	77.1
1991 - 92	3,500	2,844	81.3
1992 - 93	3,500	2,908	83.1
1993 - 94	1,750	1,792	102.4
1994 - 95	6,050	3,846	63.6

TABLE NO.8.9
DAIS TRAINING PROGRAMME DURING THE YEAR 1994-95
IN KARNATAKA STATE BY DISTRICT

Sl. No.	Name of the District	Target for the year 1994-95	Achievement during 1994-95	Percentage 94-95
1.	Bangalore(U)	250	207	82.8
2.	Bangalore(R)	420	170	40.5
3.	Chitradurga	420	420	100.0
4.	Kolar	300	159	53.0
5.	Shimoga	520	50	9.6
6.	Tumkur	250	296	118.4
7.	Belgaum	460	322	70.0
8.	Bijapur	280	169	60.4
9.	Dharwad	270	286	105.9
10.	Uttara Kannada	60	30	50.0
11.	Bellary	250	181	72.4
12.	Bidar	270	255	94.4
13.	Gulbarga	510	338	66.3
14.	Raichur	260	24	9.2
15.	Chickmagalur	50	54	108.0
16.	Dakshina Kannada	430	321	74.7
17.	Hassan	50	60	120.0
18.	Kodagu	60	23	38.3
19.	Mandya	510	265	52.0
20.	Mysore	430	216	50.2
TOTAL		6050	3846	63.6

TABLE NO.8.10
IMMUNIZATION PROGRAMME IN KARNATAKA STATE
FROM 1990-91 to 1994-95

ANTIGEN	1990-91	1991-92	1992-93	1993-94	1994-95
1. D.P.T					
Target	1201700	1148400	1185800	1229367	1188600
Achievement	1150591	1065616	1089000	1158047	1145657
Percentage	95.7	92.8	91.8	94.2	96.4
2. POLIO					
Target	1201700	1148400	1185800	1229367	1188600
Achievement	8856211	1067586	1092012	1160231	1149223
Percentage	96.2	93.0	92.1	94.3	96.7
3. B.C.G.					
Target	1201700	1148400	1185800	1229367	1188600
Achievement	1225048	1133730	1192883	1254185	1229800
Percentage	101.9	98.7	100.6	102.0	103.5
4. MEASLES					
Target	1201700	1148400	1185800	1229367	1188600
Achievement	992704	970836	1011914	1093131	1082337
Percentage	82.6	84.5	85.3	88.9	91.0
5. D.T.					
Target	917300	897500	950000	1187100	1169500
Achievement	846137	872120	932462	1041105	968484
Percentage	92.2	97.2	98.2	87.7	82.8
6. TYPHOID					
Target	.....	.....	.....	.....	.....
Achievement	.....	.....	.....	.....	.....
Percentage	.....	.....	.....	.....	.....
7. T.T. (P.W)					
Target	1298000	1248700	1275100	1358345	1316300
Achievement	1174829	1183935	1230424	1296659	1291342
Percentage	90.5	94.8	96.5	95.4	98.1
8. T.T(10 YEARS)					
Target	816400	801600	856000	1179800	1129800
Achievement	597058	645557	693094	863815	935022
Percentage	73.1	80.5	81.0	73.2	82.7
9. T.T.(16 YEARS)					
Target	816400	803363	856000	1082100	1078000
Achievement	364701	430033	473862	602714	652886
Percentage	44.7	53.5	55.4	55.7	60.6

TABLE NO.8.11

IMMUNIZATION PROGRAMME IN KARNATAKA STATE DURING THE YEAR
1994-95 BY DISTRICTS

Sl. NO.	Name of District/Division	D.P.T			POLIO		B.C.G	
		Annual target 1994-95	Achievement upto end of 31.3.95	Percentage	Achievement upto end of 31.3.95	Percentage	Achievement upto end of 31.3.95	Percentage
1	2	3	4	5	6	7	8	9
	1a. Bangalore City Corporation	114500	133565	116.5	133565	116.5	125321	109.4
	1b. B,lore(U)PHC	26500	27978	105.6	27978	105.6	29088	109.8
	1. B'lore(U) Total	141000	161543	114.6	161543	114.6	154409	109.5
	2. Bangalore(R)	41500	43865	105.7	43865	105.7	44716	107.7
	3. Chitradurga	58000	51538	88.8	51538	88.8	59684	102.9
	4. Kolar	58000	61990	106.9	61998	106.9	67448	116.2
	5. Shimoga	44500	47618	107.0	47886	107.6	47923	107.7
	6. Tumkur	59600	60126	100.9	60126	100.9	64433	108.1
	Bangalore Dn.Tl.	1402600	426680	106.0	426948	106.4	438613	108.9
	7. Belgaum	93000	91234	98.1	91234	98.1	102366	110.0
	8. Bijapur	85000	74943	88.2	78594	92.4	84591	99.5
	9. Dharwad	93500	87446	93.5	87986	94.1	96182	102.9
	10. U.Kannada	27500	22677	82.4	22871	83.1	26337	95.8
	Belgaum Dn,Tl.	299000	276300	92.4	280685	93.9	309476	103.5
	11. Bellary	57000	47157	82.7	47123	82.7	55497	97.3
	12. Bidar	35500	34656	97.6	34656	97.6	36215	102.0
	13. Gulbarga	86000	63597	74.0	63597	74.0	71353	83.0
	14. Raichur	76500	65894	86.1	66032	86.3	70482	92.1
	Gulbarga Dn.Tl.	255000	211304	82.7	211408	82.9	233547	91.6
	15. Chikmagalur	21500	21157	98.4	20957	97.4	22908	106.5
	16. D.Kannada	60000	57911	96.5	56928	94.9	67043	111.7
	17. Hassan	33000	35918	108.8	35918	108.8	36653	111.0
	18. Kodagu	10500	11629	110.7	11629	110.7	11895	113.2
	19. Mandya	34500	35911	104.0	35911	104.0	37505	108.7
	20. Mysore	72500	68847	95.0	68847	95.0	72160	99.5
	Mysore Dn.Tl	232000	231373	99.7	230182	99.2	248164	107.0
	STATE TOTAL	1188600	1145657	96.3	1149223	96.7	1229800	103.4

TABLE NO.8.11 CONTINUED

Sl. Name of the		MEASLES			T.T. (P.W)	
No.	District/ Division	Achieve- ment upto the end of 31.3.95	Percen- tage	Annual Target 1994-95	Achieve- ment upto the end of 31.3.95	Percen- tage
1	2	10	11	12	13	14
1a.	Bangalore City Corporation	123790	108.1	126500	149830	118.4
1b.	B'lore(U)PHC	26531	100.1	29500	29140	98.8
1.	B'lore(U)Tot.,	150321	106.6	156000	178970	114.7
2.	Bangalore(R)	40470	97.5	46000	50596	110.0
3.	Chitradurga	50696	87.4	64000	62943	98.3
4.	Kolar	55447	95.6	64000	68805	107.5
5.	Shimoga	44925	101.0	49500	52023	105.0
6.	Tumkur	58031	97.3	66300	66510	100.3
Bangalore D.Total		399890	99.3	445800	479847	107.6
7.	Belgaum	87236	93.8	104000	105578	101.5
8.	Bijapur	72556	85.3	94000	82056	87.2
9.	Dharwad	83887	89.7	103000	106848	103.7
10.	Uttara Kannada	20409	74.2	31000	23891	77.0
Belgaum D.Total		264088	88.3	332000	318373	95.9
11.	Bellary	44911	78.8	63000	58160	92.3
12.	Bidar	31189	87.5	39500	36820	93.2
13.	Gulbarga	61303	71.2	94500	73917	78.2
14.	Raichur	64795	84.7	83500	71215	85.2
Gulbaga Dn Total		202198	79.2	280500	240112	85.6
15.	Chikmagalur	19756	91.8	23500	22653	96.3
16.	D.Kannada	52387	87.3	67500	57331	84.9
17.	Hassan	34467	104.4	36500	41113	112.6
18.	Kodagu	10875	103.6	12000	13006	108.3
19.	Mandya	33764	97.9	38500	38807	100.8
20.	Mysore	64912	89.5	80000	80100	100.1
Mysore Dvn.Total		216161	93.1	258000	253010	98.0
State Total		1082337	91.5	1316300	1291342	98.1

TABLE NO.8.11 CONTD.

TABLE NO.8.11 CONTD.							
Sl.Name of No.District/ Division		Annual Target 1994-95	D.T		T.T. (10years)		
			Achie- ment upto end of 31.3.95	Per cen tage	Annual Target 1994- 1995	Achie- vement upto end of 31.3.95	Per- cen tage
1	2	15	16	17	18	19	20
1a.B'lore		112700	137603	122.0	108900	121396	111.5
City Corporation							
1a.B'lore (U)PHC		26100	27805	106.5	25200	23326	92.6
1. B'lore (Urban)		13880	165408	119.1	134100	144722	107.9
2. B'lore (Rural)		40900	20400	49.9	39500	19399	49.1
3. Chitradurga		57100	20976	36.7	55200	37265	67.5
4. Kolar		57100	19836	34.7	55200	29383	53.2
5. Shimog		43800	49825	113.7	42100	44895	106.6
6. Tumkur		58600	38413	65.5	56600	34699	61.3
B'lore Dn.Total		396300	314858	79.4	382700	310363	81.0
7.Belgaum		92500	76479	82.7	88400	73811	83.5
8.Bijapur		83600	76964	92.0	80800	71970	89.0
9.Dharwad		92000	82613	89.8	88900	84519	95.0
10.Uttara Kannada		27000	11569	42.8	26100	23441	89.8
Belgaum Dn.Total		294100	247625	84.1	284200	253741	89.2
11.Bellary		66100	19237	29.1	54200	32386	59.7
12.Bidar		34900	33453	95.8	33700	30541	90.6
13.Gulbarga		84600	61805	73.0	81800	42802	52.3
14.Raichur		75300	59652	79.2	72800	42838	58.8
Gulbarga.Dn.Total		250900	174147	69.4	242500	148567	61.2
15.C.galur		21200	23834	112.4	20500	21199	103.4
16.D.K.		59000	58699	99.4	57000	67987	119.2
17.Hassan		32500	30551	94.0	31400	28709	91.4
18.Kodagu		10300	11748	114.0	9900	11368	114.8
19.Mandya		33900	33816	99.7	32700	30600	93.6
20.Mysore		71300	73206	102.7	68900	63288	91.8
Mysore Dn.Total		228200	231854	101.4	220400	223151	101.2
State Total		1169500	968484	82.8	1129800	935822	82.8

TABLE NO.8.11 CONTD.

Sl. No.	Name of District/ Division	T.T.(16years)		
		Annual Target 1994-95	Achievement upto end of 31.3.95	percentage
		21	22	23
1a.	B'lore City Corporation	103900	113106	108.9
1b.	B'lore (U)PHC	24000	14028	58.4
1.	B'lore (Urban) Total	127900	127134	99.4
2.	Bangalore(Rural)	37700	8304	22.0
3.	Chitradurga	52700	18929	35.9
4.	Kolar	52700	12779	24.2
5.	Shimoga	40200	30763	76.5
6.	Tumkur	54000	17575	32.5
	B'lore Dn.Total	365200	215484	59.0
7.	Belgaum	84300	56606	67.1
8.	Bijapur	77100	57601	74.7
9.	Dharwad	84800	71059	83.8
10.	Uttara Kanna	24900	15853	63.7
	Belgaum Dn.Tot	271100	201119	74.1
11.	Bellary	51700	26376	51.0
12.	Bidar	32200	21406	66.5
13.	Gulbarga	78000	25988	33.3
14.	Raichur	69500	26838	38.6
	Gulbarga.Dn.Tot	231400	100608	43.5
15.	Chikmagalur	19600	10935	55.8
16.	D.Kannada	54400	35874	66.0
17.	Hassan	30000	21567	71.9
18.	Kodagu	9400	8576	91.2
19.	Mandya	31200	16011	51.3
20.	Mysore	65700	42712	65.0
	Mysore Dn.Total	210300	135675	64.5
	State Total	1078000	625886	58.6

TABLE NO.8.12
PROPHYLAXIS AGAINST NUTRITIONAL ANAEMIA IN KARNATAKA STATE FROM 1988-89 TO 1992-93

		1988-89		1989-90		1990 -91		1991-92		1992-93	
Target	Achieve ment	%	Target	Achieve ment	%	Target	Achieve ment	%	Target	Achieve ment	%
1.MOTHER BENEFICIARIES											
1200000	1207691	100.6	1200000	1398994	116.6	955600	1246304	130.4	1400000	1221582	87.3
									1900000	1360180	71.59
2.CHILDREN BENEFICIARIES											
3000000	1059719	35.3	3000000	1464404	48.8	2500000	1323689	52.9	3000000	1298620	43.3
									2000000	1190071	59.50

TABLE NO.8.13
PROPHYLAXIS AGAINST NUTRITIONAL ANAEMIA IN KARNATAKA STATE
BY DISTRICT DURING THE YEAR 1992-93

Sl.No.	Name of the District/ Division	Mother Beneficiaries			Children Beneficiaries		
		Target	Achieve	Perce-	Target	Achieve-	Perce-
		1992-93	ment	tage	1992-93	ment	tage
			1.4.92 to 31.3.93			1.4.92 to 31.3.93	
1	2	3	4	5	6	7	8
1a.	B'lore C.C	177500	80640	45.43	186000	94601	50.86
1b.	B'lore(U)PHC	31000	33492	108.04	33000	22861	69.28
1.	B'lore(U)T	208500	114132	55.74	219000	117462	53.64
2.	Bangalore(R)	70000	42135	60.19	74000	19177	25.91
3.	Chitradurga	92500	75922	82.08	92000	59800	65.00
4.	Kolar	93500	70777	75.70	93000	51439	55.31
5.	Shimoga	80000	89191	111.49	84000	67526	80.39
6.	Tumkur	97500	68115	69.86	101000	58148	57.57
Bangalore Dn.T.		642000	460272	71.69	663000	373552	56.34
07.	Belgaum	149000	100853	67.69	152000	50603	33.29
08.	Bijapur	124500	81813	65.71	130000	52059	40.05
09.	Dharwad	148500	102442	68.98	135000	61734	45.72
10.	U.Kannada	51000	31538	61.84	53000	62126	117.22
Belgaum Dn.T.		473000	316646	66.94	470000	226522	48.20
11.	Bellary	81000	19389	23.94	85000	49247	57.94
12.	Bidar	53000	47996	90.56	52000	49108	94.44
13.	Gulbarga	109000	113528	104.15	110000	70851	64.41
14.	Raichur	98000	87342	89.12	101000	63845	63.21
Gulbarga Dn.T.		341000	268255	78.67	348000	233051	66.97
15.	Chickmagalur	42000	56539	134.62	46000	57420	124.83
16.	D.Kannada	113000	65271	57.76	180000	83038	46.13
17.	Hassan	66000	38958	59.03	64000	50051	78.20
18.	Kodagu	20000	15211	76.06	21000	16942	80.68
19.	Mandya	69000	73887	107.08	73000	56162	76.93
20.	Mysore	134000	65141	44.62	135000	93333	69.14
Mysore Dn.T.		1444000	315007	70.95	519000	356946	68.77
State Total		1900000	1360180	71.59	2000000	1190071	59.50

140
TABLE NO.8.14

BIRTHS EVENTUALLY AVERTED BY DIFFERENT FAMILY WELFARE
METHODS IN KARNATAKA STATE FROM 1990-91 TO 1994-95

Year	Sterilisation		I.U.D	C.C. Users	O.P Users	Total	Total since Inception
	Tubec- tomy	Vasec- tomy					
1990-91	565930	2228	94275	26853	16686	705972	11209260
1991-92	604779	1568	105026	29614	19349	760336	11969596
1992-93	665324	1138	107019	30743	18922	823146	12792742
1993-94	715393	888	123338	36946	25297	901862	13694604
1994-95	771784	975	134777	45832	32070	985438	14680042

TABLE NO.8.15
ELIGIBLE COUPLES EFFECTIVELY PROTECTED IN KARNATAKA STATE UNDER
FAMILY WELFARE PROGRAMME - METHOD WISE FROM 1990-91 to 1994-95

Year	Eligible couples (Estimated)	Sterili- zation	I.U.D	Other Methods	Total	%of couples Protected
1990-91	7170720@	2823087	400189	187677	3410953	47.6
1991-92	7293690	2940695	434685	207943	3583323	49.1
1992-93	7416597	3057793	455285	213792	3726870	50.3
1993-94	7572534	3206350	493470	268288	3968108	52.4
1994-95	7697990	3347876	536681	334532	4219089	54.8

@ Based on 1991 Provsional Census Figures.

TABLE 8.16
FAMILY WELFARE METHODS IN KARNATAKA SINCE 1966-67 TO

Sl. DISTRICT AND NO. DIVISION	NO.OF ELIGIBLE COUPLES	NUMBER OF ELIGIBLE COUPLES PROTECTED BY DIFFERENT				1994-95 BY DISTRICT				1966-67 TO			
		STERILI- SATION	PERCENT- TAGE	I.U.D	PERCENT- TAGE	C.C.USERS	PERCENT- TAGE	O.P USERS	PERCENT- TAGE	ALL METHODS	PERCENT- TAGE	PERCENT- TAGE	PERCENT- TAGE
1. Bangalore(U)	860256	362626	42.15	67524	7.85	14065	1.70	11663	1.36	456418	53.06		
2. Bangalore(R)	281865	142284	50.48	20056	7.12	6632	2.35	4506	1.60	173478	61.55		
3. Chitradurga	374659	167027	44.58	24192	6.46	8828	2.36	7290	1.95	207337	55.35		
4. Kolar	374632	169742	45.31	28253	7.54	14162	3.78	8888	2.37	221045	59.00		
5. Shimoga	321734	162397	50.47	24929	7.75	7913	2.46	6496	2.02	201735	62.70		
6. Tumkur	389921	176171	45.18	28459	7.30	9844	2.52	7406	1.90	221880	56.90		
B'lore Dn.Total	2603067	1180247	45.34	193413	7.43	61984	2.38	46249	1.78	1481893	56.93		
7. Belgaum	612077	267229	43.66	42615	6.96	17063	2.79	12490	2.04	339397	55.45		
8. Bijapur	502156	190947	38.03	32185	6.41	12890	2.57	9196	1.83	245218	48.84		
9. Dharwad	595970	264264	44.34	36566	6.14	15109	2.54	11155	1.87	327094	54.89		
10. U. Kannada	204630	70202	34.31	12760	6.23	6290	3.07	3860	1.89	93112	45.50		
Belgaum Dn.Total	1914833	792642	41.39	124126	6.48	51352	2.68	36701	1.92	1004821	52.47		
11. Bellary	328070	120422	36.71	19635	5.98	7409	2.26	6540	1.99	154006	46.94		
12. Bidar	217575	90290	41.50	15243	7.01	4429	2.04	3393	1.56	113355	52.11		
13. Gulbarga	445245	135128	30.35	25585	5.75	10182	2.29	7856	1.76	178751	40.15		
14. Raichur	403250	121626	30.16	22413	5.56	8793	2.18	6671	1.65	159503	39.55		
Gulbarga Dn.Total	1394140	467466	33.53	82876	5.95	30813	2.21	24460	1.75	605615	43.44		
15. Chickmagalur	169518	95595	56.39	13284	7.84	4973	2.93	2668	1.57	116520	68.73		
16. D. Kannada	451405	169561	37.56	27067	6.00	10345	2.29	6693	1.48	213666	47.33		
17. Hassan	264760	150888	56.99	20860	7.88	8313	3.14	5022	1.90	185083	69.91		
18. Kodagu	79853	41096	51.46	7062	8.84	2502	3.13	1449	1.82	52109	65.25		
19. Mandya	277581	161089	58.03	23014	8.29	8760	3.16	5016	1.81	197879	71.29		
20. Mysore	542833	289292	53.29	44979	8.29	17607	3.24	9625	1.77	361503	66.59		
Mysore Dn.Total	1785950	907521	50.81	136266	7.63	52500	2.94	30473	1.71	1126760	63.09		
STATE TOTAL	7697990	3347876	43.50	536681	6.97	196649	2.55	137883	1.79	4219089	54.81		

142
TABLE NO.8.17

TOTAL NO.OF ACCEPTORS OF VASECTOMY, TUBECTOMY & I.U.D
IN KARNATAKA STATE BY RELIGION DURING THE PERIOD FROM
1990-91 TO 1994-95

Year during the year	Total No.of acceptors	No.of acce- ptors for whom break up is ava- ilable	% of Col.3 to Col.2	% of acceptors by religion				
				Hindus	Muslims	Chris- tians	Sikhs	Oth- ers
1	2	3	4	5	6	7	8	9
VASECTOMY								
1990-91	1071	1043	97.4	77.9	13.1	8.0	-	1.0
1991-92	754	729	96.7	81.5	10.7	6.8	-	1.0
1992-93	547	543	99.3	83.4	10.3	5.2	0.2	0.9
1993-94	427	421	98.6	85.5	6.9	6.4	1.2	-
1994-95	485	462	95.3	91.4	4.1	3.9	0.4	0.2
TUBECTOMY								
1990-91	281557	272544	96.8	91.0	6.5	1.9	0.0	0.6
1991-92	300885	292829	97.3	90.7	6.9	1.8	0.0	0.6
1992-93	331007	329712	99.6	87.0	8.2	3.3	0.2	1.3
1993-94	355917	354694	99.7	89.8	7.6	2.0	0.1	0.5
1994-95	371050	369261	99.5	88.6	8.4	2.0	0.1	0.9
I.U.D								
1990-91	209501	203911	97.3	86.8	9.6	2.9	0.0	0.7
1991-92	233390	228382	98.3	86.1	9.6	3.1	0.1	1.1
1992-93	237820	235835	99.2	85.0	10.1	4.0	0.1	0.8
1993-94	274084	273080	99.6	87.1	9.1	3.1	0.1	0.6
1994-95	299504	297588	99.4	86.8	9.4	2.6	0.1	1.1

TABLE NO.8.18

TOTAL NO.OF ACCEPTORS OF VASECTOMY, TUBECTOMY & I.U.D IN KARNATAKA STATE BY AGE GROUP OF WIFE
DURING THE PERIOD FROM 1990-91 TO 1994-95

VASECTOMY

YEAR	TOTAL NO.OF ACCE- PTORS DURING THE YEAR	NO.OF ACCEPTORS FOR WHOM BREAKUP AVAILABLE	%OF COL.3 TO COL.2	% OF ACCEPTORS BY AGE GROUP OF WIFE										LESS THAN 30 YEARS	MEAN AGE OF WIFE
				15-19	20-24	25-29	30-34	35-39	40-44	45+					
1	2	3	4	5	6	7	8	9	10	11	12	13			
1990-91	1071	1040	97.1	1.6	8.6	26.1	36.2	21.1	6.4	-	36.3	31.3			
1991-92	754	728	96.6	0.4	6.9	24.6	36.1	22.4	9.6	-	31.9	32.1			
1992-93	547	545	99.6	0.6	3.6	19.1	41.5	27.9	7.3	-	23.3	32.7			
1993-94	427	421	98.6	0.2	4.3	23.8	37.5	25.4	8.8	-	28.3	32.5			
1994-95	485	462	95.3	0.4	6.5	32.7	33.8	20.8	5.8	-	39.6	31.3			

TABLE NO.8.18(Contd)

TUBECTOMY:

YEAR	TOTAL NO.OF ACCE- PTORS DURING THE YEAR	NO.OF ACCEPTORS FOR WHOM BREAKUP AVAILABLE	%OF COL.3 TO COL.2	% OF ACCEPTORS BY AGE GROUP OF WIFE							LESS THAN 30 YEARS			MEAN AGE OF WIFE
				15-19	20-24	25-29	30-34	35-39	40-44	45+				
1	2	3	4	5	6	7	8	9	10	11	12		13	
1990-91	281557	273994	97.3	3.3	23.4	40.1	22.5	9.1	1.6	-	66.8		28.8	
1991-92	300885	292239	97.1	1.5	27.2	41.9	20.2	7.5	1.7	-	70.6		27.5	
1992-93	331007	329061	99.4	2.2	27.8	43.8	18.6	6.5	1.1	-	73.8		27.1	
1993-94	355917	354457	99.6	2.3	27.9	42.0	20.0	7.0	0.8	-	72.2		27.1	
1994-95	371050	369337	99.5	3.1	29.6	41.5	18.3	6.5	1.0	-	74.2		26.9	

TABLE NO.8.18(Contd)

I.U.D

YEAR	TOTAL NO.OF ACCE- PTORS DURING THE YEAR	NO.OF ACCEPTORS FOR WHOM BREAKUP AVAILABLE	%OF COL.3 TO COL.2	% OF ACCEPTORS BY AGE GROUP OF WIFE										LESS THAN 30 YEARS	MEAN AGE OF WIFE
				15-19	20-24	25-29	30-34	35-39	40-44	45+					
1	2	3	4	5	6	7	8	9	10	11	12	13			
1990-91	209501	205749	98.2	9.4	40.0	31.2	13.8	4.5	1.1	-	80.6	25.4			
1991-92	233390	226068	96.9	10.0	44.5	29.7	11.5	3.7	0.6	-	84.2	24.8			
1992-93	237820	235978	99.2	12.0	42.2	30.1	11.3	3.7	0.7	-	84.3	24.7			
1993-94	274084	272903	99.6	9.8	92.4	30.1	12.1	4.1	1.5	-	82.3	25.1			
1994-95	299504	297931	99.5	9.6	42.0	32.0	11.1	4.7	0.6	-	83.6	25.0			

TABLE NO.8.19

TOTAL NUMBER OF ACCEPTORS OF VASECTOMY, TUBECTOMY & I.U.D IN
KARNATAKA STATE BY NUMBER OF LIVING CHILDREN DURING THE
PERIOD FROM 1990-91 TO 1994-95

year	Total No. of accep- tors during the year	No, of accep- tors for whom the breakup is ava- ilable	% of Col.3 to Col.2	% of Acceptors by No. of Living Average						No. of		
				0	1	2	3	4	5+	-3 or fewer	living child- ren	
1	2	3	4	5	6	7	8	9	10	11	12	
<u>VASECTOMY</u>												
1990-91	1071	1034	96.5	-	2.6	27.9	40.3	23.6	5.6	70.8	3.0	
1991-92	754	711	94.3	-	2.5	30.0	37.4	20.8	9.3	69.9	3.0	
1992-93	547	545	99.6	-	4.6	51.0	25.0	12.8	6.6	80.6	2.7	
1993-94	427	421	98.6	-	2.9	46.5	28.0	17.1	5.5	77.4	2.7	
1994-95	485	461	95.1	0.2	5.6	44.5	33.9	13.0	2.8	84.2	2.6	
<u>TUBECTOMY</u>												
1990-91	281557	271596	96.5	-	3.4	36.5	35.1	17.7	7.3	75.0	2.9	
1991-92	300885	290797	96.7	-	3.5	39.4	34.2	16.4	6.5	77.1	2.8	
1992-93	331007	325855	98.4	-	5.0	41.5	32.1	15.3	6.1	78.6	2.8	
1993-94	355917	353604	99.4	-	5.5	42.3	32.0	15.8	4.4	79.8	2.7	
1994-95	371050	369175	99.5	-	5.7	41.8	33.7	14.9	3.9	81.2	2.6	
<u>I.U.D</u>												
1990-91	209501	205540	98.1	3.7	36.4	35.2	16.7	6.5	1.5	75.3	1.9	
1991-92	233390	227738	97.6	3.6	38.2	34.0	16.2	6.6	1.4	75.8	1.9	
1992-93	237820	234229	98.5	2.0	39.4	35.8	15.7	5.6	1.5	77.2	1.9	
1993-94	274084	272480	99.4	1.8	39.9	36.7	15.3	5.3	1.0	93.7	1.8	
1994-95	299504	297155	99.2	2.5	38.5	38.3	15.8	4.0	1.0	79.3	1.8	

TABLE NO.8.20
TOTAL NUMBER OF ACCEPTORS OF VASECTOMY, TUBECTOMY & I.U.D IN
KARNATAKA STATE BY EDUCATION OF HUSBAND DURING
THE PERIOD FROM 1990-91 TO 1994-95

Year	Total No. of accep- tors during the year	No. of accep- tors for whom break up avai- lable	% of Col.2 to Col.3	% of Illi- ter- ate	% of Lite- rate but not comple- ted	Primary passed/ but not comple- ted	Middle passed but not comple- ted	High School/ Higher Secun- Passed	Gra- dua- te & abo- ve
1	2	3	4	5	6	7	8	9	10
VASECTOMY									
1990-91	1071	1036	96.7	20.6	15.8	19.8	17.9	22.0	3.9
1991-92	754	728	96.6	18.3	14.6	19.4	20.6	21.0	2.1
1992-93	547	537	98.2	18.2	15.5	11.0	17.9	32.8	4.6
1993-94	427	421	98.6	15.0	16.2	14.0	18.5	29.4	6.9
1994-95	485	459	94.6	9.8	16.6	13.5	23.3	31.4	5.4
TUBECTOMY									
1990-91	281557	272149	96.7	32.2	17.9	17.9	15.8	14.2	2.0
1991-92	300885	289915	96.4	36.2	17.4	15.9	14.0	14.7	1.8
1992-93	331007	328593	99.3	33.7	17.8	17.7	15.3	12.9	2.6
1993-94	355917	354109	99.5	33.7	20.7	17.9	13.7	11.5	2.5
1994-95	371050	368487	99.3	33.7	19.0	18.7	15.2	11.1	2.3
I.U.D									
1990-91	209501	205824	98.2	27.5	17.1	18.5	18.9	14.9	3.1
1991-92	233390	226826	97.2	31.1	17.4	16.0	16.0	16.8	2.7
1992-93	237820	235363	99.0	27.0	19.1	18.6	16.0	15.8	3.5
1993-94	274084	272253	99.3	27.1	19.8	19.2	15.9	14.5	3.5
1994-95	299504	296916	99.1	27.0	19.7	19.8	16.1	14.3	3.1

TABLE NO.8.21
TOTAL NUMBER OF ACCEPTORS OF VASECTOMY, TUBECTOMY AND
I.U.D IN KARNATAKA STATE BY EDUCATION OF WIFE DURING
THE PERIOD FROM 1990-91 TO 1994-95

Year	Total No. of accep- tors during the year	No. of accep- tors for whom break up avai- lable	% of Co.3 to Col.2	% of Acceptors by Education of Wife					
				Illi- terate	Lite- rate but not comple- ted Primary	Primary passed/ but not comple- ted Middle	Middle passed/ but not comple- ted er Secon- dary Edu- cation	High School/ but not comple- ted Higher Secon- Passed	Gra- tue & above Passes
1	2	3	4	5	6	7	8	9	10
VASECTOMY									
1990-91	1071	1038	96.9	31.7	16.3	17.6	14.6	17.7	2.1
1991-92	754	723	95.9	26.4	15.5	15.8	17.5	20.1	4.7
1992-93	547	534	97.6	21.5	14.2	16.1	12.2	32.4	3.6
1993-94	427	416	97.4	19.0	15.9	13.5	21.1	25.2	5.3
1994-95	485	461	75.1	13.0	16.3	18.9	25.2	22.1	4.5
TUBECTOMY									
1990-91	281557	273126	97.0	39.8	19.5	16.8	13.6	9.2	1.1
1991-92	300885	290566	96.6	45.4	16.9	14.7	12.3	9.7	1.0
1992-93	331007	327715	99.0	41.4	18.2	16.8	12.8	9.4	1.4
1993-94	355917	354281	99.5	42.1	20.3	16.2	11.6	8.5	1.3
1994-95	371050	368552	99.3	40.3	19.2	16.9	13.2	9.0	1.4
I.U.D									
1990-91	209501	204911	97.8	34.5	17.2	18.1	15.6	12.5	2.1
1991-92	233390	227183	97.3	38.0	16.8	16.1	14.5	12.8	1.8
1992-93	237820	235301	98.9	33.2	19.2	17.8	14.4	12.7	2.7
1993-94	274084	272624	99.4	33.5	19.3	19.6	13.6	11.9	2.1
1994-95	299504	297428	99.3	32.9	20.1	17.8	14.7	12.6	1.9

TABLE NO.8.22
DISTRICT WISE TRENDS IN THE MEAN NUMBER OF LIVING CHILDREN DURING THE PERIOD FROM 1990-91 TO 1994-95

Sl. No.	District	VASECTOMY					TUBECTOMY					I.U.D					
		90-91	91-92	92-93	93-94	94-95	7	8	9	10	11	12	13	14	15	16	17
1	2	3	4	5	6	7											
1)	Bangalore(U)	2.5	2.4	2.3	2.6	2.5		2.4	2.9	2.3	2.2	2.6	1.4	1.2	1.6	1.6	1.8
2)	Bangalore(R)	1.0	1.6	2.5	2.5	3.0		3.0	2.7	2.7	2.5	2.3	1.8	2.0	1.6	1.6	1.6
3)	Chitradurga	2.9	2.5	2.7	2.8	2.6		2.9	2.9	2.8	2.8	2.6	1.9	1.9	1.8	1.7	1.7
4)	Kolar	3.1	3.3	3.1	3.5	2.6		2.8	2.8	2.7	2.3	2.4	1.7	1.4	1.8	1.8	1.7
5)	Shimoga	2.5	2.5	3.1	2.0	2.6		2.7	2.7	2.7	2.7	2.6	1.6	1.6	1.6	1.6	1.6
6)	Tumkur	2.4	2.5	2.1	2.3	2.4		2.6	2.4	2.4	2.3	2.3	1.8	2.0	2.7	2.6	2.6
7)	Belgaum	3.0	2.9	3.5	3.8	3.0		3.2	3.0	3.1	3.0	2.9	2.2	1.7	1.7	1.7	1.6
8)	Bijapur	3.1	3.2	3.0	3.4	2.8		3.2	3.1	3.2	3.0	3.2	1.9	1.8	1.8	1.8	1.8
9)	Dharwad	2.6	2.8	3.0	3.3	3.0		3.2	3.1	3.1	2.9	2.9	1.8	1.7	2.1	1.9	2.0
10)	U.Kannada	2.6	3.1	3.0	2.4	2.2		3.1	3.1	3.1	3.0	2.9	2.1	1.9	1.8	1.7	1.7
11)	Bellary	2.8	2.7	2.4	2.4	3.6		3.1	3.1	3.2	3.1	3.0	1.7	1.8	1.8	1.8	1.7
12)	Bidar	3.1	3.3	3.4	3.0	3.3		3.0	3.5	3.7	3.4	3.4	2.8	3.3	3.4	2.8	2.9
13)	Gulbarga	2.7	2.9	3.0	3.0	2.7		3.1	3.1	3.2	3.1	2.7	1.7	1.8	2.0	1.9	1.7
14)	Raichur	2.9	2.9	2.1	2.3	2.5		3.1	3.0	3.3	3.1	2.5	2.1	2.5	2.0	2.3	2.2
15)	Chikmagalur	2.4	2.3	2.3	1.7	2.7		2.6	2.6	2.5	2.5	2.4	1.6	1.6	1.5	1.6	1.5
16)	D. Kannada	3.3	3.5	2.7	2.9	2.9		3.3	3.3	2.9	2.9	2.9	1.9	1.9	1.7	1.8	2.2
17)	Hassan	2.9	2.6	2.2	2.3	2.4		2.7	2.4	2.4	2.3	2.2	1.6	1.6	1.7	1.4	1.4
18)	Kodagu	3.5	3.1	2.4	2.9	2.4		2.7	2.5	2.8	2.5	2.4	2.2	2.2	1.8	1.5	1.6
19)	Mandya	2.7	2.3	2.8	2.5	2.0		2.5	2.5	2.4	2.3	2.2	1.6	1.6	1.7	1.5	1.6
20)	Mysore	2.8	3.2	2.3	2.3	1.8		2.9	2.8	2.8	2.7	2.6	2.7	2.5	1.8	2.3	1.7
STATE		3.0	3.0	2.7	2.7	2.6		2.9	2.8	2.8	2.7	2.6	1.9	1.9	1.9	1.8	1.8

TABLE NO.8.23
DISTRICT WISE TRENDS IN THE MEAN AGE OF WIFE DURING THE PERIOD FROM 1990-91 TO 1994-95

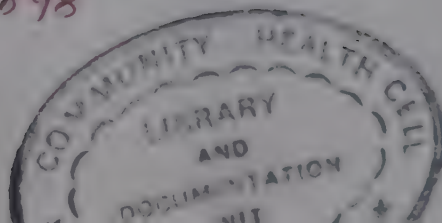
Sl. No.	District	VASECTOMY					TUBECTOMY					I.U.D				
		90-91	91-92	92-93	93-94	94-95	90-91	91-92	92-93	93-94	94-95	90-91	91-92	92-93	93-94	94-95
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1.	Bangalore(U)	33.6	34.0	33.4	32.9	32.5	29.3	28.9	28.0	30.1	27.5	24.7	24.2	25.5	29.3	25.2
2.	Bangalore(R)	27.0	27.6	34.5	32.0	32.0	26.5	25.9	25.5	26.1	26.0	24.7	24.3	23.6	23.5	23.3
3.	Chitradurga	30.0	33.0	28.8	32.0	28.1	26.0	27.6	26.6	27.4	26.1	25.0	24.8	24.5	24.7	24.6
4.	Kolar	34.3	33.6	32.0	34.1	33.5	27.4	26.7	26.7	28.0	26.0	25.7	24.4	23.3	24.1	23.6
5.	Shimoga	33.8	31.8	28.0	32.3	29.6	27.0	26.8	26.9	27.0	26.9	24.8	24.7	24.6	24.7	24.9
6.	Tumkur	29.0	33.9	31.5	28.9	28.0	26.8	26.2	25.8	25.8	25.9	25.4	24.8	25.1	25.5	26.0
7.	Belgaum	32.6	34.3	31.5	35.2	27.0	27.8	27.8	27.7	27.2	27.4	25.8	23.8	23.7	23.3	24.1
8.	Bijapur	30.9	34.5	31.5	29.1	31.4	27.8	27.5	27.2	26.5	26.8	24.2	23.8	23.6	23.5	23.9
9.	Dharwad	30.9	29.7	34.0	36.4	34.7	25.0	27.5	28.4	27.3	28.3	24.7	24.5	27.4	24.2	24.7
10.	U.Kannada	32.8	34.0	35.0	31.1	32.9	28.5	29.3	28.1	27.9	27.6	27.6	27.3	26.2	26.3	26.1
11.	Bellary	30.3	32.2	29.1	33.2	26.7	27.4	27.6	27.2	27.4	28.1	23.5	24.3	24.6	24.1	26.6
12.	Bidar	32.6	28.4	32.0	29.5	32.0	31.4	32.1	32.1	30.0	31.0	30.8	32.1	29.2	29.5	30.7
13.	Gulbarga	33.5	33.3	31.8	31.2	29.5	28.4	28.5	28.7	27.4	27.2	25.0	24.7	24.9	24.8	25.9
14.	Raichur	29.8	29.0	25.3	28.4	28.8	28.9	27.6	29.6	26.6	26.1	26.0	25.4	25.5	26.3	26.5
15.	C.magalur	36.1	32.7	30.3	34.7	28.5	27.0	26.8	26.5	26.4	26.4	24.6	24.7	24.7	24.7	24.8
16.	D.Kannada	31.1	31.7	33.8	33.6	32.3	29.0	29.6	31.9	29.2	30.3	26.1	26.2	26.3	26.2	29.1
17.	Hassan	24.7	25.7	32.3	30.4	32.8	25.0	24.3	25.6	24.4	23.3	22.2	20.7	24.3	22.6	20.7
18.	Kodagu	33.3	23.4	27.6	30.6	34.3	24.6	28.7	27.2	27.0	26.2	30.2	25.9	25.7	25.6	25.4
19.	Mandya	30.3	30.3	35.0	37.0	33.2	25.5	25.7	25.0	25.1	24.4	23.5	23.3	22.1	23.5	24.0
20.	Mysore	31.0	31.4	35.9	29.8	25.9	31.0	27.4	24.3	24.7	25.1	27.4	26.2	22.7	24.0	23.9
State		31.3	32.1	32.7	32.5	31.3	27.8	27.5	27.1	27.1	26.9	25.4	24.8	24.7	25.1	25.0

TABLE NO.8.24
ALLOTMENT AND EXPENDITURE UNDER FAMILY
WELFARE PROGRAMME IN KARNATAKA STATE
FROM 1990-91 TO 1994-95.

(Rs.in lakhs)			
Year	Allotment	Expenditure	Percentage of budget utilised
1990-91	4904.63	3561.45	72.61
1991-92	5287.00	4691.81	88.74
1992-93	6012.07	3007.63	50.03
1993-94	5764.53	6140.33	106.52
1994-95	7228.15	6937.55	95.98

CS-100

C4898



CHAPTER -IX

POPULATION CENTRE

POPULATION CENTRE, BANGALORE

The Population Centre, Bangalore was established in 1973 as part of the India Population Project-I (IPP-I), Karnataka, a Family Planning Demonstration Project, under the provision of Financial Assistance of the International Development Association, an affiliate of the World Bank & the Swedish International Development Authority.

The Population Centre was set up mainly as a Research and Evaluation Wing of the IPP-I. The Centre was entrusted with the responsibility of conducting relevant Research, developing a Management Information and Evaluation System (MIES) for Health and Family Welfare Programmes and undertaking innovative studies in the Family Welfare. Since the IPP-I was implemented in the six Districts of the Bangalore Revenue Division, the jurisdiction of the Population Centre was confined to the Bangalore Revenue Division.

After the completion of the IPP-I in 1980, the Centre continues to function and became a Major Department under the Health and Family Welfare Department of the Government of Karnataka. Since then the scope of Research activities has been widened to undertake Research throughout the State. Over time, the Population Centre made valuable contribution to the effective implementation of Health and Family Welfare Programmes by undertaking Research and Evaluation in the field of Population, Health, Nutrition and Family

Planning. It has also been organising in-service Training Programmes to Medical and Non-Medical personnel of the Health and Family Welfare Department. The Centre is also known in the Country and Abroad for its ability in the formulation and the conduct of various large scale surveys in the field of Population and Family Planning. Many outside agencies like the Australian National University, Canberra, Family Planning Foundation, New Delhi, International Development Research Centre, Canada, Health and Family Welfare Department of Andhra Pradesh, Hyderabad, etc., have successfully collaborated in undertaking different Research Projects with the Population Centre.

Population Centre is headed by Director and he is assisted by 4 Assistant Directors in Research and Technical matters. The Assistant Directors along with Research Officers are made responsible for carrying out Research Projects under the direction of the Director. The Technical personnel viz., Assistant Research Officers, Research Assistants, Statistical Assistants etc., are assigned the work of field investigation, data processing, analysis, etc.

The Director, Population Centre is also being assisted by an Administrative Officer, an Accounts Superintendent and other Staff in Administrative and Accounts matters.

Over a period of time the Population Centre has undertaken a number of studies in the field of Health, Family Welfare, Nutrition and Immunisation.

CHAPTER - X

DEPARTMENT OF MEDICAL EDUCATION

DEPARTMENT OF MEDICAL EDUCATION

The Department of Medical Education is headed by the Director of Medical Education in the State. The Director of Medical Education is incharge of Medical Education and Nursing Education including Teaching Hospitals attached to the Medical Colleges in the State.

The Director of Medical Education is assisted by One Joint Director (Medical Education) and one Deputy Director (Medical Education), Senior Assistant Director (Nursing) and Health Equipment Officer in all Technical matters pertaining to Medical Education. Similarly, the Planning Officer, Administrative Officer (Medical Education) and Chief Accounts Officer-cum-Financial Advisor (Medical Education) in all matters pertaining to Planning, Administration and Financial matters respectively at the State Head Quarters.

There are 19 Medical Colleges in the State of which four are Government Medical Colleges and the remaining fifteen are Private Medical Colleges.

Government Medical Colleges and some of the Private Medical Colleges provide Post Graduate Courses.

There are 35 (1 Government and 34 Private) Dental Colleges, and 14 Colleges of Nursing (1 Government and 13 Private) in the State which provide both under Graduate

and Post Graduate Courses and there are 68 Schools of Nursing (9 Government and 59 Private).

Hospitals attached to these Medical Colleges provide Clinical facilities for both Under Graduate and Post Graduate students.

Apart from these Medical Colleges, Dental Colleges and College of Nursing, there are Training Institutions to provide Training to Refractionists and Ophthalmic Assistants, Dental Mechanics and Dental Hygienists, Laboratory Technicians, X-Ray Technicians and Medical Record Technicians.

Under National Leprosy Eradication Programme 20 bedded Temporary Hospitalisation Wards at Teaching Hospitals and Urban Leprosy Control Centres and Reconstructive Surgery Units were established at Bellary, Mysore, Gulbarga, Mangalore and Belgaum.

Under National Programme for Control of Blindness Regional Institute of Ophthalmology, Divisional Mobile Ophthalmic Units, Development of Ophthalmic Departments in Medical Colleges including Teaching Hospitals and Training of Ophthalmic Assistants are implemented at Bangalore, Bellary, Hubli and Mysore.

Early Cancer Detection Centres have been sanctioned for the Teaching Hospitals at Mysore and Hubli.

I. UNDER GRADUATE COURSE (M.B.B.S)

A Total Number of 737 posts are available in the four Government Medical Colleges in the State. The Government quota in Private Medical Colleges is to an extent of 383 seats are also available.

The total number of seats available in all the Medical Colleges (Private and Government) in the State are as follows:-

<u>INSTITUTIONS</u>	<u>NUMBER OF SEATS</u>
<u>GOVERNMENT MEDICAL COLLEGES;-</u>	
1. Medical College, Bangalore	245
2. Medical College, Bellary	140
3. Medical College, Mysore	205
4. K.M.C.Hubli (Dharwad District)	147

TOTAL	737

<u>PRIVATE MEDICAL COLLEGES;-</u>	
1. St.John's Medical College, Bangalore	60
2. M.S.Ramaiah Medical College, Bangalore	150
3. Dr.Ambedkar Medical College, Bangalore	120
4. Kempegowda Medical College, Bangalore	120
5. J.N.Medical College, Belgaum	195
6. Al.Ameen Medical College, Bijapur	130
7. BLDEA Medical College, Bijapur	180
8. JJM.Medical College, Davanagere (Chitradurga District)	328
9. Kasturba Medical College, Manipal (D.Kannada District)	250

10. Kasturba Medical College, Mangalore (D. Kannada District)	300
11. M.R. Medical College, Gulbarga	185
12. Shri. Devaraj Urs Trust Medical College, Kolar	150
13. J.S.S Medical College, Mysore	200
14. Adhi Chunchanagiri Medical College, Nagamangala, Mandya District.	195
15. Siddartha Medical College, Tumkur	195

TOTAL	2758

TOTAL (A+B)	3495

DENTAL COLLEGES;

INTAKE

I. GOVERNMENT DENTAL COLLEGE,**CAPACITY**

1. Government Dental College, Bangalore	70
--	----

II. PRIVATE DENTAL COLLEGES;

2. College of Dental Surgery, Manipal	100
3. KMC. Dental Wing, Mangalore	100
4. Bapuji Dental College, Davanagere	110
5. AB. Shetty Memo. Inst. of Dental, SC., Mangalore	100
6. SDM Dental College, Dharwad	100
7. KLE Dental College, Belgaum	110
8. Mathrusri Rama Bai Amb. Dental College Bangalore	100
9. Vokkaligara Sangha Dental College, Bangalore	70
10. JSS Dental College, Mysore	60
11. P.M. Nadagowda Memo. Inst. Dental Sc., Bagalkot	60

12.	HKE Dental College, Gulbarga	60
13.	SJM Dental College, Chitradurga	66
14.	Somanath Education Society, Bidar	40
15.	KVJ Dental College, Sullia	40
16.	Hasanamba Education Trust, Hassan	25
17.	Academy of Medical Education, Raichur	40
18.	Al-Ameen Dental College, Bijapur	40
19.	Mahatma Gandhi Vidya Peetha Dental College, Bangalore	40
20.	Gokul Edn., Trust Dental College, B'lore	40
21.	SGR Edn., Trust Dental College, Bangalore	40
22.	Sambharam Charitable Trust Dental College, Kolar	40
23.	Vignan Inst. of Dental Sciences, B'lore	60
24.	Ynepoya Dental College, Mangalore	40
25.	Rural Gulbarga Dental College, Gulbarga	40
26.	Hyderabad - Karnataka Society Trust, Dental College, Bidar	40
27.	Sharavathi Dental College, Shimoga	40
28.	Babu Jagajeevan Ram Dental College, Bangalore	40
29.	Sri. Krishnadevaraya Education Trust Dental College, Bangalore	40
30.	Shri Sidhartha Dental College, Tumkur	40
31.	R.V. Dental College, Bangalore	40
32.	Oxford Dental College, Bangalore	40
33.	Raja Rajeshwari Dental College, B'lore	40
34.	Amrit Edn., Cult., Society, Bangalore	40
35.	Nehru Smaraka Dental College, Bangalore	40
36.	KLE Dental College, Bangalore	40
37.	Maratha Mandal Dental College, Belgaum	40
38.	College of Dental Surgery, Davanagere	100
39.	Rifa-Ul-Muslims Education Society, Mysore	40
40.	Karnataka Pradesh Banjara Seva Sangha, Bangalore.	40

No. of
Dental
Seats
in
Dental
Coll.
Govt. &
Pvt
in
Kan.

COLLEGE OF NURSINGINTAKE CAPACITYI. GOVERNMENT NURSING COLLEGE

1. College of Nursing, Bangalore

Basic Bsc

Post Certificate Bsc

50

40

II. PRIVATE NURSING COLLEGES

1. Father Muller's Hospital, Mangalore

50

25

2. St. John's Nursing College, B'lore

30

20

3. M.V. Shetty Memorial Hospital, M'lore

60

25

4. K.L.E Society, Belgaum

25

-

5. Bapuji Hospital, Davanagere

25

-

6. K.M.C Hospital, Manipal

30

-

7. M.S. Ramaiah Hospital, Bangalore

60

-

8. H.K.E Society, Gulbarga

50

-

9. Nitte Education Trust, Mangalore

25

-

10. Karnataka Banjara Seva Sangha, Bijapur

40

-

11. Karnataka Banjara Seva Sangha, C'Durga

40

-

12. P.C. Dental & Nursing College, B'lore

60

-

13. Children Education Society, B'lore

60

-

14. College of Nursing, Devanahalli

50

-

15. Syed Madani Nursing Institute, M'lore

30

-

16. S.C.S College of Nursing, Mangalore

40

-

17. K.M. Janardhana Reddy College of Nursing, Bangalore

30

-

18. Navodaya Education Trust college of Nursing, Raichur

40

-

19. Pandya Raja Ballal Nursing Institute, Ullal

30

-

20. Amruth Education and Cultural Society Pavan College of Nursing, Kolar

50

-

CHAPTER - XI

DEPARTMENT OF INDIAN SYSTEMS OF MEDICINE AND HOMOEOPATHY

161

DEPARTMENT OF INDIAN SYSTEMS OF MEDICINE AND HOMOEOPATHY

The Department of Indian Systems of Medicine and Homoeopathy is headed by the Director of Indian Systems of Medicine and Homoeopathy and is being assisted by a Deputy Director (Ayurveda), Deputy Director (Unani), One Physician Grade I (Nature Cure and Yoga), an Administrative Officer and an Accounts Officer. A Divisional Office is functioning at Gulbarga headed by a Deputy Director.

At the District Level, the District Health & Family Welfare Officers of the Department of Health and Family Welfare Services continued to be the Administrative Controller for the Dispensaries of Indian Systems of Medicine and Homoeopathy in the respective Districts except Districts of Gulbarga Division.

There are 6 Government Colleges and 31 Private Colleges. There are 69 Government Hospitals with a total bed strength of 1200 and 529 Dispensaries functioning in the State under Indian Systems of Medicine and Homoeopathy.

There are 51 Ayurvedic Hospitals with a bed strength of 942, out of which 11 Ayurvedic Hospitals are at District Level (of which 3 Hospitals serve as Teaching Hospitals) and the remaining 40 Hospitals render services in Rural Areas. There are 461 Ayurvedic Dispensaries functioning in the State.

There are 9 Unani Hospitals and 43 Unani Dispensaries in the State. The Unani wing attached to Sri.Jayachamarajendra Institute of Indian Medicine, Bangalore serve as a teaching Hospital for Government Unani Medical College, Bangalore. The Unani wing in the Government Ayurvedic Medical College and Hospital at Mysore and other seven Mini Hospitals at Ramanagaram, Thimmapur-Rangampet in Gulbarga District and Rajalabanda in Raichur District, Bijapur, Tumkur, Raichur and Shimoga are providing treatment facilities to the in-patients and out-patients.

There are three Homoeopathic Hospitals one at Bangalore (40 beds), one at Somwarpet (10 beds) in Kodagu District and other at Hassan (10 beds) and 20 Homoeopathic Dispensaries are functioning in the State to provide treatment under Homoeopathic System of Medicine.

Two Nature Cure and Yoga Hospitals at Bangalore and Mysore and Five Nature cure Dispensaries are functioning in the State.

Yoga Wings have been established to provide treatment in Yoga Therapy in the Hospitals at Bangalore, Mysore and Bellary each having 5 beds.

A Sidha Wing is in existence at Sri.Jayachamarajendra Institute of Indian Systems of Medicine, Bangalore.

Nurse Training Course is being conducted at Sri.Jayachamarajendra Institute of Indian Systems of Medicine, Bangalore. The duration of the course is 3 1/2 years. Pharmacist Training Courses both Ayurvedic and Unani System of Medicine are also conducted in Government Central Pharmacy, Bangalore and the duration of the courses is 10 months.

TABLE NO.11.1

NO.OF INSTITUTIONS IN THE STATE AS ON 31.3.1995I.COLLEGES

NO.OF AYURVEDIC COLLEGES;		
Government	..	3
Private	..	19
NO.OF HOMOEOPATHIC COLLEGES;		
Government	..	1
Private	..	11
NO.OF UNANI COLLEGES;		
Government	..	1
NO.OF NATURE CURE COLLEGES;		
Government	..	1
Private	..	1

II. HOSPITALS AND DISPENSARIES:

Sl. No.	System	No.of Hospitals	No.of beds in Hospitals	No.of Dispensaries
1.	Ayurveda	51	942	461
2.	Unani	9	157	43
3.	Homoeopathy	3	60	20
4.	Sidha	1	10	-
5.	Yoga	3	15	-
6.	Nature Cure	2	16	5
TOTAL		69	1200	529

III.TRAINING

i) Training Programme for Nurses	- 1
ii) Training Programme for Pharmacist: (At Government Central Pharmacy Bangalore):	
Ayurveda	- 1
Unani	- 1

IV.OTHERS

Government Central Pharmacy (Manufacturers of Ayurveda and Unani Medicines)	- 1
---	-----

TABLE NO.11.2

LICENCES GRANTED TO MANUFACTURE OF AYURVEDIC, UNANI
AND HOMOEOPATHIC DRUGS UNDER DRUG LICENCING UNIT
DURING 1992-93, 1993-94 AND 1994-95

Systems	1992-93	1993-94	1994-95
Ayurvedic	252	221	231
Loan Licence	28	-	20
Unani	10	11	11
Homoeopathy:			
Manufacturing	10	12	11
Sales:			
----- Whole Sale	48	53	62
Retail	85	87	91

CHAPTER - XII

DEPARTMENT OF DRUGS CONTROL

DEPARTMENT OF DRUGS CONTROL

The main function of the Drugs Control Department is to protect and take care of the Health of the consumers by exercising strict control and vigilance on the Drugs which are being manufactured and marketed for sale in the State so that drugs of standard quality are made available at control prices. The Drugs Control Department of the State of Karnataka discharges the statutory functions involved in the enforcement of the following Drugs and allied legislation:

1. The Drugs and Cosmetics Act, 1940 and Rules thereunder.
2. The Drugs (Price Control) order, 1987.
3. The Drugs and Magic Remedies (objectionable Advertisements) Act, 1954 and Rules thereunder.
4. The Pharmacy Act, 1948 and Education Regulation thereunder.
5. The Poisons Act, 1919 and Karnataka Poisons Rules 1966.
6. The Narcotics and Psychotropic substances Act 1985 in relation to Drugs covered by the D&C Act & Rules thereunder.

The Drugs Controller is the Head of the Department and he is assisted by one Additional Drugs Controller, Three Deputy Drugs Controllers and four Assistant Drugs Controllers at the State Head quarters who are incharge of Licencing, Manufacturing Intelligence, Price Control, Hospital Inspection and Advertisement Wing duly assisted by Drugs Inspector. A separate Assistant Drugs Controller is incharge of the Board of Examining Authority for the purpose of conducting Examination in Diploma in Pharmacy.

For proper and effective functioning of the Department, the entire State has been divided into six Divisions. Each Division is incharge of two Assistant Drugs Controllers and he is assisted by Drugs Inspectors of the District except in Bangalore Division where there are three Assistant Drugs Controllers.

TABLE NO 12.1

**ENFORCEMENT OF THE DRUGS AND COSMETICS ACT, 1940 & RULES
THE PROSECUTIONS INSTITUTED UNDER THIS ACT AND RULES
DURING THE YEAR 1994-95**

1. Prosecutions pending at the beginning of the year (i.e as on 1.4.1994)	...	97
2. Prosecutions Launched (as on 31.3.1995)	...	26
3. Total (as on 31.3.1995)	...	123
4. Prosecutions decided (as on 31.3.1995)	...	8
a) Cases ended in acquittal/discharge (as on 31.3.1995)	...	6
b) Cases ended in conviction (as on 31.3.95)	...	2
5. Prosecutions pending at the end of March 1995	...	115

TABLE NO.12.2

**DRUGS MANUFACTURERS AND NUMBER OF LICENCES GRANTED DURING
THE YEAR 1994-95**

Sl. No.	Type	Total No.of Manufacturers			Total No.of Manufacturing Licences		
		Own	Loan	Total	Own	Loan	Total
1.	Allopathic	263	147	410	368	192	560
2.	Cosmetics	69	3	72	69	3	72
3.	Blood Banks	54	-	54	54	-	54
4.	Approved Laboratories	3	-	3	3	-	3
		389	150	539	494	195	689

TABLE NO.12.3
 ENFORCEMENT OF THE DRUGS (PRICE CONTROL) ORDER 1979/1987.
 PROSECUTIONS INSTITUTED UNDER THE DRUGS (PRICE CONTROL)
 ORDER DURING THE YEAR 1994-95.

1. Prosecutions pending at the beginning of the year (as on 1.4.1994)	.. 36
2. Prosecutions launched (as on 31.3.1995)	.. 2
3. Total as on 31.3.1995	.. 38
4. Prosecutions decided (as on 31.3.1995)	.. 2
a) Cases ended in acquittal/discharge	.. 1
b) Cases ended in conviction (as on 31.3.95)	.. 1
5. Prosecutions pending at the end of March 95	.. 36

TABLE NO.12.4

NO.OF SAMPLES RECEIVED AND TESTED IN THE LABORATORY DURING
 THE YEAR 1994-95

1. Drugs Inspectors (Legal)	... 1540
2. Informal samples from the Hospitals, Medical Stores and also from the Drugs Inspectors.	... 17
3. Manufacturers samples as required under the Drugs Rules	... -
4. Total	... 1557
5. Brought forward from the previous year	... 1827
6. Grand Total (as on 31.3.1995)	... 3384

TABLE NO. 12.5

NUMBER OF SAMPLES TESTED DURING THE YEAR 1994-95

1. Samples found to be of standard quality	.. 2227
2. Samples found to be not of standard quality	.. 207
3. Samples partly analysed for specific tests (found standard)	.. 2
4. Total Number of samples tested	.. 2436

CHAPTER - XIII

NATIONAL INSTITUTE OF MENTAL HEALTH AND NEURO SCIENCES
BANGALORE

NATIONAL INSTITUTE OF MENTAL HEALTH AND NEURO SCIENCES,
BANGALORE

National Institute of Mental Health and Neuro Sciences is a Premier Institute not only in Karnataka but also in the Country. This institute has got a bed strength of 805. This Institute offers Post-Graduate Degree and Diploma Courses in various specialities.

The Institute is funded both by the Central and the Karnataka State Governments. Several National and International agencies like I.C.M.R, DST,DGO,CSIR,WHO, UNICEF are the other resources in addition to several generous donors.

NIMHANS, has the main responsibility for the Technical inputs, evaluation of training manuals for Doctors and Health Assistants, Annual Reviews, Planning and Programming Evaluation, etc.

It conducts Seminars and Training Classes to disseminate knowledge about Mental Health which is neglected in the Country. It is Planning to implement Mental Health Programme at District Level and develops feasible Model to extend Mental Health Care to Rural Areas.

The Institute has brought out manuals for Doctors and Health Workers in English and Hindi. The other Literature brought out are patient records for Doctors and Health Workers. Health Education materials i.e Posters, Training Materials, i.e T.V and Video materials.

TABLE NO.13.1

MENTAL HEALTH AND NEURO SCIENCES - SERVICES FROM 1990 TO 1994

SERVICES*	YEAR				
	1990	1991	1992	1993	1994
Screening	52,884	51,990	53,827	52,824	54,985
Out-Patients	16,843	10,720	19,647	21,325	22,159
Indoor Patients	7,219	7,332	7,576	8,422	8,601
No.of operations performed	1,844	1,856	1,924	1,813	1,877
Follow-ups	1,25,903	1,13,699	1,14,459	1,27,965	1,45,265
Death among Indoor Patients	794	895	854	905	984

NOTE; * Services include Psychiatry, Neurology and Neuro-Surgery

SOURCE; NATIONAL INSTITUTE OF MENTAL HEALTH AND NEURO SCIENCES.

TABLE NO.13.2

INDOOR PATIENTS TREATED FOR PSYCHIATRY BY AGE, SEX AND
RELIGION FROM 1990 TO 1994

I. AGE

Broad Age-Group (in years)	YEAR				
	1990	1991	1992	1993	1994
0-14	220	213	312	258	265
15-19	262	280	255	364	391
20-29	1,081	1,130	1,107	1,432	1,508
30-39	818	903	922	1,206	1,327
40-49	421	483	560	648	725
50-59	204	203	238	247	309
60 +	115	102	143	156	164
TOTAL	3,119	3,314	3,577	4,311	4,689

II. SEX

SEX	Y E A R				
	1990	1991	1992	1993	1994
Male	2,181	2,284	2,479	3,069	3,289
Female	938	1,030	1,098	1,242	1,400
TOTAL	3,119	3,314	3,577	4,311	4,689

III.RELIGION

RELIGION	Y E A R				
	1990	1991	1992	1993	1994
Hindu	2,671	2,947	3,048	3,754	3,836
Muslim	282	198	343	353	482
Christian	163	164	182	197	367
Others	3	5	4	7	4
TOTAL*	3,119	3,314	3,577	4,311	4,689

TABLE NO.13.3

RESULTS OF TREATMENT;

RESULTS	Y E A R				
	1990	1991	1992	1993	1994
Recovered	82	106	239	430	289
Improved	2,884	3,046	2,993	3,138	3,669
Slightly improved	120	60	221	391	438
Not improved	22	91	101	338	273
Against Medical advice	-	5	-	1	14
Dead	11	6	23	13	6
Transferred	-	-	-	-	-
TOTAL	3,119	3,314	3,577	4,311	4,689

SOURCE: NATIONAL INSTITUTE OF MENTAL HEALTH AND
NEURO SCIENCES.

CHAPTER - XIV

KIDWAI MEMORIAL INSTITUTE OF ONCOLOGY, BANGALORE

KIDWAI MEMORIAL INSTITUTE OF ONCOLOGY, BANGALORE

The Kidwai Memorial Institute of Oncology is a Comprehensive Centre for Cancer Research and Treatment in Karnataka and is one of the ten Regional Cancer Centres in the Country, offering sophisticated diagnostic and treatment services to ever increasing numbers of the Cancer afflicted from all over Karnataka state and adjoining areas of Andhra Pradesh, Tamilnadu, Kerala and other areas.

The Institute with 50 beds at the time of starting achieved a bed strength of 368 over a period of time. In addition to the 368 In-Patient beds, the Bangalore City Corporation, Sri.Venkateswara Dharmashala, a Unique Project of its kind in the Country provides accommodation to about 250 ambulatory Cancer Patients alongwith about 250 of their attendents.

Kidwai Memorial Institute of Oncology is a Referral Comprehensive Cancer Centre in the true sense and in view of the facilities available for diagnosis and treatment, about 70% of the patients are referred by Medical College Hospitals, District and Taluk Hospitals, Nursing Homes, Consultants, General Practitioners, Primary Health Centres and other Medical Institutions/ Personnel. Over 10,500 new cases are registered annually and about 1.75 lakh followup patient visits are recorded per year. About 18 % of the patients registered annually are from the adjacent States of Andhra Pradesh, Tamil

174

Nadu, Maharashtra and Kerala. The Institute offers all modalities of Cancer Treatment- Surgery, Radiotherapy, Chemotherapy, Hormonotherapy and pain relief through the multidisciplinary team approach.

The Kidwai Memorial Institute of Oncology has extensive outreach programmes in the rural, semi urban and urban areas of Karnataka, Andhra Pradesh and Tamil Nadu through the Department of Community Oncology. Health Education Strategies and Materials have been developed for Primary and Secondary Prevention of Tobacco Related Cancers, cervical and breast cancers and Cancer Education for public. The Health Education material developed by Kidwai Memorial Institute of Oncology has been approved by the Indian Council of Medical Research to be used as guideline materials for other regions in the country.

The Kidwai Memorial Institute of Oncology as the Apex body for overall cancer control in Karnataka, is directly involved in the Development of peripheral cancer centres attached to Medical College Hospitals and District Hospitals in the State. Two such centres have been established at Mandya and Gulbarga.

District Cancer Control Programme projects have been implemented at Dharwad and Chikmagalur Districts with Financial support from the Government of India. The Government of Karnataka on the similar lines approved sanction of two such projects at Shimoga and Hassan.

The Kidwai Memorial Institute of Oncology has initiated a programme of professional education, technology and expertise transfer through short-term education/training programmes for undergraduates, post graduates and staff of various Medical Colleges, District Hospitals and Primary Health Centres.

The main objectives of this training programme would be to train the Medical Personnel in prevention, diagnosis and treatment of cancer.

The Institute runs the following courses which have been approved by the MCI and the Bangalore University, (1) M.D (Radiation therapy), (2) M.Ch (Surgical Oncology), (3) D.M (Medical Oncology), (4) DNM (Diploma in Medical Nuclear Medicine), (5) DRP (Diploma in Radiation Physics), (6) B.Sc., Medical Technology (Laboratory), (7) B.Sc., Medical Technology (Radiodiagnosis and Radiotherapy). The Bangalore University has accorded its approval for the creation of Faculty of Oncology.

The Cytopathology Laboratory of Kidwai Memorial Institute of Oncology has been accredited by the Indian Academy of Cytologists for diagnostic services and as training & examination centre.

TABLE NO.14.1

BED STRENGTH AND OPERATIONS (MAJOR & MINOR) PERFORMED
FROM 1990 TO 1994 IN KIDWAI MEMORIAL INSTITUTE OF ONCOLOGY,
BANGALORE

Year	Bed Strength	Operations
1990	252	1401
1991	252	1694
1992	359	1568
1993	359	1836
1994	368	2072

SOURCE: - KIDWAI MEMORIAL INSTITUTE OF ONCOLOGY.

TABLE NO.14.2

OUT-DOOR AND IN-DOOR PATIENTS TREATED DURING THE YEARS 1990
TO 1994 IN KIDWAI MEMORIAL INSTITUTE OF ONCOLOGY, BANGALORE.

Year	OUT-DOOR PATIENTS			IN-DOOR PATIENTS			DEATHS		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
1990	82291	110337	192628	2041	2827	4648	194	101	295
1991	78907	102572	181479	2231	3005	5236	175	119	294
1992	78080	110401	188481	2294	3319	5613	187	134	321
1993	73720	103014	176734	2761	3986	6747	215	114	329
1994	72579	102692	175271	2670	3682	6352	204	132	336

SOURCE: KIDWAI MEMORIAL INSTITUTE OF ONCOLOGY

178
TABLE NO.14.3

INCIDENCE OF CANCER CASES BY AGE AND SEX - 1990 TO 1994

AGE GROUP	1990			1991			1992		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
0 - 4	64	30	94	40	35	75	43	38	81
5 - 9	55	38	93	60	30	90	63	32	95
10 -14	75	29	104	72	40	112	77	43	120
15 -19	63	30	93	68	32	100	72	34	106
20 -24	63	74	137	86	57	143	91	61	152
25 -29	83	123	206	90	109	199	95	117	212
30 -34	102	178	280	110	177	287	117	191	308
35 -39	139	381	520	170	378	548	180	407	487
40 -44	206	487	693	227	431	658	241	464	705
45 -49	329	575	904	309	596	905	329	642	971
50 -54	450	578	1028	453	564	1017	482	607	1089
55 -59	415	450	865	439	420	859	467	453	920
60 -64	524	510	1034	473	445	918	503	479	982
65 -69	333	253	586	319	264	583	340	284	624
70 -74	253	146	399	210	146	356	223	157	380
75 +	175	112	287	177	94	271	188	101	289
TOTAL	3329	3994	7323	3303	3818	7121	3511	4110	7621

Age Group	1993			1994		
	Male	Female	Total	Male	Female	Total
0-4	64	31	95	55	36	91
5-9	56	23	79	56	26	82
10-14	67	49	116	65	38	103
15-19	67	47	114	67	42	109
20-24	88	47	135	89	53	142
25-29	90	117	207	90	99	189
30-34	92	178	270	107	167	274
35-39	148	340	488	174	351	525
40-44	213	433	646	220	432	652
45-49	312	580	892	308	607	915
50-54	428	554	982	449	545	994
55-59	430	401	831	442	412	854
60-64	490	479	969	504	437	941
65-69	344	235	579	348	265	613
70-74	239	154	393	238	146	384
75 +	202	107	309	182	98	280
TOTAL	3,330	3,775	7,105	3,394	3,754	7,148

SOURCE: KIDWAI MEMORIAL INSTITUTE OF ONCOLOGY

TABLE NO.14.4

TEN LEADING SITES OF CANCER FROM 1990 TO 1994

YEAR 1990

Sl. No.	MALE			FEMALE		
	Site	No.	%	Site	No.	%
1.	Hypopharynx	384	11.5	Cervix	1630	40.8
2.	Oesophagus	334	10.0	Breast	438	11.0
3.	Lung	227	6.8	Mouth	418	10.5
4.	Mouth	217	6.5	Oesophagus	268	6.7
5.	Lymphoma	217	6.5	Leukaemia	117	2.9
6.	Tongue	195	5.8	Ovary	113	2.8
7.	Leukaemia	180	5.4	Lymphoma	84	2.1
8.	Larynx	168	5.0	Thyroid	80	2.0
9.	Stomach	154	4.6	Stomach	67	1.7
10.	Oropharynx	138	4.1	Hypopharynx	54	1.4
All other sites		1115	33.5	All other sites	725	18.1
TOTAL		3329	100.0	TOTAL	3994	100.0

YEAR 1991

Sl. No.	MALE			FEMALE		
	Site	No.	%	Site	No.	%
1.	Hypopharynx	377	11.4	Cervix	1496	39.2
2.	Oesophagus	370	11.2	Breast	437	11.4
3.	Lung	192	5.8	Mouth	318	8.4
4.	Mouth	176	5.3	Oesophagus	256	6.7
5.	Lymphoma	177	5.4	Leukaemia	102	2.7
6.	Tongue	206	6.2	Ovary	125	3.3
7.	Leukaemia	185	5.6	Lymphoma	62	1.6
8.	Larynx	151	4.6	Thyroid	85	2.2
9.	Stomach	161	4.9	Stomach	66	1.7
10.	Brain	102	3.1	Rectum	56	1.5
All other sites		1206	36.5	All other sites	815	21.3
TOTAL		3303	100.0	TOTAL	3818	100.0

YEAR 1992

Sl. No.	MALE			FEMALE		
	Site	No.	%	Site	No.	%
1.	Pharynx	550	17.5	Cervix	1553	40.9
2.	Oral Cavity	364	11.6	Oral Cavity	504	13.3
3.	Oeso phagus	338	10.7	Breast	389	10.2
4.	Lung	194	6.2	Oesophagus	249	6.6
5.	Leukaemia	187	5.9	Ovary	110	2.9
6.	Stomach	184	5.8	Leukaemia	98	2.6
7.	Lymphoma	182	5.8	Pharynx	92	2.4
8.	Larynx	142	4.5	Thyroid	77	2.0
9.	Brain	104	3.3	Lymphoma	73	1.9
10.	Rectum	65	2.1	Stomach	72	1.9
11.	Other Sites	836	26.6	Other Sites	581	15.3
Total		3146	100.0	Total	3798	100.0

YEAR 1993

Sl. No.	MALE			FEMALE		
	Site	No.	%	Site	No.	%
1.	Pharynx	561	17.5	Cervix	1436	40.5
2.	Oral Cavity	385	12.0	Oral Cavity	468	13.2
3.	Oeso phagus	348	10.9	Breast	373	10.5
4.	Lung	195	6.1	Oesophagus	235	6.6
5.	Leukaemia	186	5.8	Ovary	105	3.0
6.	Stomach	180	5.6	Leukaemia	93	2.6
7.	Lymphoma	180	5.6	Pharynx	88	2.5
8.	Larynx	146	4.6	Thyroid	74	2.1
9.	Brain	104	3.3	Lymphoma	65	1.8
10.	Rectum	67	2.1	Stomach	64	1.8
11.	Other Sites	846	26.5	Other Sites	545	15.4
Total		3198	100.0	Total	3546	100.0

YEAR 1994 *

MALE				FEMALE		
Sl. No.	Site	No.	%	Site	No.	%
1.	Pharynx	596	17.6	Cervix	1506	40.1
2.	Oral Cavity	423	12.5	Oral Cavity	493	13.1
3.	Oeso phagus	375	11.0	Breast	405	10.8
4.	Lung	205	6.0	Oesophagus	251	6.7
5.	Leukaemia	192	5.7	Ovary	114	3.0
6.	Stomach	184	5.4	Leukaemia	100	2.7
7.	Lymphoma	184	5.4	Pharynx	95	2.5
8.	Larynx	157	4.6	Thyroid	79	2.1
9.	Brain	108	3.2	Lymphoma	66	1.8
10.	Rectum	71	2.1	Stomach	66	1.8
11.	Other Sites	894	26.3	Other Sites	579	15.4
Total		3394	100.0	Total	3754	100.0

* PROVISIONAL

183
TABLE NO.14.5

OPERATIONS PERFORMED BY AGE GROUP AND SEX FROM 1990 TO 1994

YEAR 1990

Age Group	Major Operations			Minor Operations			Total No.of Operations		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
1	2	3	4	5	6	7	8	9	10
0-4	3	2	5	4	4	8	7	6	13
5-9	2	1	3	4	1	5	6	2	8
10-14	6	6	12	11	3	14	17	9	26
15-19	11	10	21	11	9	20	22	19	41
20-24	18	7	25	15	22	37	33	29	62
25-29	12	18	30	15	29	44	27	47	74
30-34	20	39	59	11	21	32	31	60	91
35-39	25	61	86	15	30	45	40	91	131
40-44	26	88	114	26	42	68	52	130	182
45-49	29	73	102	20	31	51	49	104	153
50-54	72	91	163	24	40	64	96	131	227
55-59	36	48	84	13	17	30	49	65	114
60-64	37	41	78	20	18	38	57	59	116
65 +	37	50	87	31	20	51	68	70	138
Not Known	4	5	9	8	8	16	12	13	25
TOTAL	338	540	878	228	295	523	566	835	1401

YEAR 1991

Age Group	Major Operations			Minor Operations			Total No. of Operations			
	Male	Female	Total	Male	Female	Total	Male	Female	Total	
	1	2	3	4	5	6	7	8	9	10
0-4	1	-	1	5	7	12	6	7	13	
5-9	3	1	4	8	4	12	11	5	16	
10-14	5	5	10	13	14	27	18	19	37	
15-19	12	6	18	8	15	23	20	21	41	
20-24	14	18	32	10	30	40	24	48	72	
25-29	22	23	45	10	36	46	32	59	91	
30-34	16	30	46	15	45	60	31	75	106	
35-39	20	60	80	14	84	98	34	144	178	
40-44	30	58	88	12	86	98	42	144	186	
45-49	38	91	129	18	86	104	56	177	233	
50-54	50	74	124	24	66	90	74	140	214	
55-59	45	64	109	18	50	68	63	114	177	
60-64	38	55	93	17	46	63	55	101	156	
65 +	44	38	82	20	48	68	64	86	150	
Not Known	10	3	13	2	9	11	12	12	24	
TOTAL	348	526	874	194	626	820	542	1152	1694	

YEAR 1992

Age Group	Major Operations			Minor Operations			Total No.of Operations		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
1	2	3	4	5	6	7	8	9	10
0-4	8	2	10	5	2	7	13	4	17
5-9	4	3	7	6	3	9	10	6	16
10-14	8	5	13	11	14	25	19	19	38
15-19	5	7	12	10	12	22	15	19	34
20-24	11	14	25	12	17	29	23	31	54
25-29	15	20	35	8	16	24	23	36	59
30-34	13	40	53	15	32	47	28	72	100
35-39	22	43	65	14	43	57	36	86	122
40-44	28	60	88	17	43	60	45	103	148
45-49	32	75	107	16	75	91	48	150	198
50-54	76	74	150	22	62	84	98	136	234
55-59	43	54	97	24	43	67	67	97	164
60-64	49	55	104	26	43	69	75	98	173
65 +	45	50	95	28	30	58	73	80	153
Not Known	6	18	24	13	21	34	19	39	58
TOTAL	365	520	885	227	456	683	592	976	1568

YEAR 1993

Age Group	Major Operations			Minor Operations			Total No. of Operations		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
1	2	3	4	5	6	7	8	9	10
0-4	1	4	5	7	1	8	8	5	13
5-9	2	2	4	3	6	9	5	8	13
10-14	5	6	11	8	8	16	13	14	27
15-19	3	13	16	16	9	25	19	22	41
20-24	6	16	22	15	12	27	21	28	49
25-29	4	46	50	10	33	43	14	79	93
30-34	5	36	41	23	44	67	28	80	108
35-39	5	66	71	33	80	113	38	146	184
40-44	10	83	93	35	85	120	45	168	213
45-49	11	86	97	55	89	144	66	175	241
50-54	13	65	78	69	98	167	82	163	245
55-59	13	45	58	66	43	109	79	88	167
60-64	17	65	82	61	79	140	78	144	222
65 +	14	43	57	80	72	152	94	115	209
Not -Known	2	3	5	-	6	6	2	9	11
TOTAL	111	579	690	481	665	1146	592	1244	1836

Age Group	Major Operations			Minor Operations			Total No. of Operations		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
1	2	3	4	5	6	7	8	9	10
0-4	5	3	8	3	2	5	8	5	13
5-9	8	-	8	4	1	5	12	1	13
10-14	8	10	18	4	4	8	12	14	26
15-19	16	11	27	3	10	13	19	21	40
20-24	25	23	48	7	18	25	32	41	73
25-29	13	41	54	4	40	44	17	81	98
30-34	17	51	68	7	52	59	24	103	127
35-39	24	71	95	6	79	85	30	150	180
40-44	54	84	138	9	97	106	63	181	244
45-49	41	104	145	12	105	117	53	209	262
50-54	64	106	170	9	102	111	73	208	281
55-59	70	80	150	11	65	76	81	145	226
60-64	75	91	166	9	57	66	84	148	232
65 +	84	76	160	19	56	75	103	132	235
Not Known	8	3	11	3	8	11	11	11	22
TOTAL	512	754	1266	110	696	806	622	1450	2072

SOURCE; KIDWAI MEMORIAL INSTITUTE OF ONCOLOGY, Bangalore

CHAPTER - XV

SHRI JAYADEVA INSTITUTE OF CARDIOLOGY
BANGALORE

SHRI JAYADEVA INSTITUTE OF CARDIOLOGY, BANGALORE

Shri Jayadeva Institute of Cardiology was started by the State Government of Karnataka in the year 1979 to render Modern Medical Care for Heart Diseases.

This Institute is functioning as an Autonomous Institute since February 1984. One of the objectives of making this as an Autonomous is to develop this Institute fast into a well established centre to cater to the growing needs of the poor patients.

This is the only Premier Cardiac Institute in the entire State of Karnataka, not only serving the whole of Karnataka, but also adjoining areas of neighbouring states of Tamil Nadu, Andhra Pradesh, Kerala and Maharashtra. This is a Centre for post Doctoral Courses in D.M.Cardiology and M.Ch., Cardio Thoracic Surgery, besides serving as regular centre in these super specialities.

At this Institute, Open Heart Surgical procedures are being carrying out routinely which includes single valve replacement, double valve replacement, total corrections, closures of ASD's and VSD's, and also Coronary Artery bypass grafting. In the Cardiac Catheterisation, Coronary Angiogram, Permanent pacemaker implementation are routinely done. Recently Angioplasty and valvuloplasty Procedure are also being carried out.

This Institute is also actively engaged in Research Activities and the Institute is aproved as a Research Centre, by the Ministry of Science and Technology, Government of India. The bed strength of this Institute is 150 which includes Special Wards and Intensive Care Wards.

The Mobile Coronary Care Ambulance Units are introduced to render immediate treatment to the patients on the spot where the patients develop chest pain, either in the house or at the place of work like Office, Factory or any other places.

TABLE NO.15.1

IN-PATIENTS, OUT - PATIENTS TREATED AND DEATHS AMONG
IN-PATIENTS DURING THE YEARS 1990 TO 1994

Year	Inpatients	Out Patients			Deaths among In-patients
		Old	New	Total	
1990	4795	12,439	30,375	42,814	539
1991	5290	15,811	30,312	46,123	553
1992	5421	16,147	35,552	51,729	528
1993	5981	19,766	35,874	55,640	598
1994	6313	18,899	39,195	58,094	590

TABLE NO.15.2

NUMBER OF OPERATIONS PERFORMED BY AGE AND SEX DURING
THE YEAR 1994

Age Group	Closed Heart Surgery			Open Heart Surgery			Other Surgery		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
1-10	26	44	70	36	34	70	17	8	25
11-20	33	40	73	44	47	91	20	21	41
21-30	29	47	76	41	36	77	31	41	72
31-40	12	21	33	42	31	73	34	28	62
41-50	2	7	9	67	15	82	34	20	54
51-60	1	1	2	66	12	78	59	12	71
61-70	-	-	-	38	5	43	21	5	26
71-80	-	-	-	-	-	-	7	3	10
81-90	-	-	-	-	-	-	1	1	2
91 & above	-	-	-	-	-	-	-	-	-
TOTAL	103	160	263	334	180	514	224	139	363

CHAPTER - XVI

SANJAY GANDHI INSTITUTE OF ACCIDENT REHABILITATION
AND PHYSICAL MEDICINE
BANGALORE

SANJAY GANDHI INSTITUTE OF ACCIDENT REHABILITATION
AND PHYSICAL MEDICINE, BANGALORE

This Institution is an autonomous body received grant from Government. This has started working from April 1980. This Institution is headed by the Director. The Director is assisted by Medical and Para Medical Personnel.

The objectives of this Institution are to provide immediate Medical Aid at the accident spot, treatment and rehabilitation facilities to the accident victims and to prevent deaths by providing timely Medical Aid to the accident victims.

The Strategy to fulfil the objectives is by providing Ambulances fitted with Wireless Sets stationed at vantage points around Bangalore and to rush to the Accident Spot with Medical Aid and Para Medical Staff. If necessary to shift the Accident victims to the Centre for further treatment etc, the Ambulances have been fully equipped.

The victims brought for treatment have been extended with all Medical Assistance. Apart from regular staff services the consultants who are experts in the field are also utilised.

This Organisation is equipped with Modern Operation Theatre, X-Ray Plant, Laboratory for Pathological Analysis, Blood Bank etc. The X-Ray Unit and other Units will work round the clock to meet the emergent needs of the victims.

The construction of Artificial Limb and Rehabilitation Centre is in final stage.

TABLE NO.16.1

NO.OF PATIENTS TREATED AND NO.OF OPERATIONS PERFORMED DURING THE
YEAR 1990 TO 1994

Sl. Parti- No. culars	1990			1991			1992			1993			1994							
	M	F	C	T	M	F	C	T	M	F	C	T	M	F	C	T				
1.No.of Admission	1216	133	135	1484	1221	156	153	1530	1238	157	132	1527	1010	163	119	1292	937	243	113	1293
2.No.of Discharges	1195	129	125	1449	1251	157	170	1578	1233	161	134	1527	918	156	210	1284	927	159	109	1195
3.No.of out patients treated(Old + New)	5823	840	735	7398	4885	695	505	6085	4863	65	441	5959	3914	710	343	4967	3876	660	425	4961
4.No.of Deaths	93	7	5	105	95	8	4	107	65	5	1	71	47	12	3	62	31	7	2	40
5.No.of operations performed	810	320	115	1245	540	220	135	895	725	74	130	929	712	150	94	956	626	47	100	773

NOTE; - M: Males
F: Females
C: Children
T: Total

CHAPTER - XVII

SPECIAL TABLES

TABLE NO.17.1

**IMPORTANT HEALTH INDICES OF KARNATAKA STATE
(FOR PROJECTED POPULATION OF 1995)
GOVERNMENT HEALTH AND MEDICAL INSTITUTIONS ONLY**

I. Institution Population Ratio	..	1: 21911
II. Bed Population Ratio	..	1: 1333
III. Doctor Population Ratio		
Excluding Teaching Staff	..	1: 10430
Including Teaching Staff	..	1: 8634
IV. Auxillary Nurse Midwife/Midwife Population Ratio		
i) For Total Population	..	1: 5360
ii) For Rural Population	..	1: 3646
V. Nurse Bed Ratio	..	1: 9

ALL HEALTH AND MEDICAL INSTITUTIONS IN THE STATE

I. Institution Population Ratio	..	1: 19129
II. Bed Population Ratio	..	1: 940

TABLE NO.17.2

**PER CAPITA (PUBLIC SECTOR) EXPENDITURE ON HEALTH
(MEDICAL AND PUBLIC HEALTH) AND FAMILY WELFARE OF SOUTHERN
STATES DURING THE YEARS 1987-88 TO 1989-90**

		1987-88		1988-89		1989-90	
Sl. No.	State/U.T	(Rs.)		(Rs.)		(Rs.)	
		Health	F.W	Health	F.W	Health	F.W
1	2	3	4	5	6	7	8
1.	Andhra Pradesh	52.73	7.61	54.65	8.71	40.17	9.64
2.	Karna-taka	49.27	11.73	51.78	9.87	54.15	11.42
3.	Kerala	58.68	11.79	67.29	10.87	70.66	14.53
4.	Tamil Nadu	58.95	6.85	58.59	8.16	77.35	57.73
5.	Pandi-cherry	198.71	8.24	216.99	6.03	246.47	8.27
ALL INDIA		60.61	8.17	65.98	8.88	69.85	13.18

SOURCEG;- Health Information India - 1991 & 1992

IMPORTANT HEALTH INDICATORS (1986)

TABLE NO.17.3

ESTIMATED AGE SPECIFIC FERTILITY RATES AND OTHER FERTILITY INDICATORS, 1986

Age Group	Karnataka			India		
	Rural	Urban	Combined	Rural	Urban	Combined
15 -19	99.9	59.1	88.8	100.3	62.1	91.1
20 -24	242.6	202.8	230.2	264.6	217.8	252.8
25 -29	183.1	173.9	180.3	229.4	179.0	216.4
30 -34	111.5	64.4	103.9	153.6	94.5	139.2
35 -39	67.3	44.5	60.4	89.3	45.0	78.6
40 -44	26.4	11.8	22.8	43.5	17.6	37.9
45 -49	8.0	4.0	6.9	17.8	4.7	14.9
Crude Birth Rate	29.9	26.8	29.0	34.2	27.1	32.6
General Fertility Rate	123.4	105.0	118.1	145.6	108.1	136.5
Total Fertility Rate	3.7	2.9	3.5	4.5	3.1	4.2
Gross ^c Reproduction Rate	1.8	1.4	1.7	2.2	1.5	2.0

SOURCES; Sample Registration System 1986

TABLE NO.17.4
MORTALITY INDICATORS - 1986

Sl. Indicators No.	Karnataka			India		
	Rural	Urban	Combined	Rural	Urban	Combined
1. Crude Death Rate	9.4	6.8	8.7	12.2	7.6	11.1
2. Infant Mortality Rate	82.0	47.2	73.2	104.6	62.0	96.4
3. Neo-natal Mortality Rate	60.8	35.5	54.4	65.5	36.2	59.8
4. Post-natal Mortality Rate	21.2	11.7	18.8	39.1	25.8	36.6
5. Pre-natal Mortality Rate	57.3	35.1	51.7	51.8	32.7	48.1
6. Still Birth Rate	12.2	9.6	11.5	10.5	9.0	10.2

SOURCE : Sample Registration System 1986

TABLE NO.17.5

PERCENT DISTRIBUTION OF SAMPLE BIRTH BY TYPE OF MEDICAL ATTENTION AT BIRTH 1986

Sl. No.	Sector	Type of Medical Attention at Birth							
		Karnataka				India			
		I	T	U	O	I	T	U	O
1	2	3	4	5	6	7	8	9	10
1. Rural		16.8	30.0	17.6	35.6	14.3	17.7	48.3	19.7
2. Urban		57.1	16.8	6.6	19.5	47.8	25.0	18.6	8.6
3. Combined		27.0	26.6	14.8	31.6	20.7	19.1	42.6	17.6

NOTE: - I = Institutions like Hospitals, Maternity/ Nursing Homes, Health Centres etc.

T = Delivery conducted at Home by Doctor, Trained Dai, Trained Mid-wife, Trained Nurse etc.

U = Delivery conducted at Home by Untrained \ Village Dai or other Untrained Professional functionary.

O = Delivery conducted at Home by Relations and others excluding the above.

SOURCE: Sample Registration System 1986

TABLE NO.17.6

PERCENT DISTRIBUTION OF SAMPLE DEATH BY TYPE OF MEDICAL
ATTENTION AT DEATH 1986

Sl. No. Sector	Type of Medical Attention at Death							
	Karnataka				India			
	I	M	U	N	I	M	U	N
1. Rural	11.8	25.8	9.8	52.6	8.6	29.6	23.9	37.9
2. Urban	28.5	25.4	4.2	41.9	27.6	44.8	7.1	20.5
3. Combined	15.5	25.7	8.6	50.2	11.5	32.0	21.3	35.2

NOTE ; - I = If the Death occurred in a Hospital, Dispensary,
Health Centre, other Medical Institutions.

M = If the Death occurred at Home but was attended
by a qualified practitioner.

U = If the Death occurred and was attended by
unqualified practitioner.

N = No professional Doctor/Hakim/Vaidya attended.

SOURCE : - Sample Registration System 1986.

TABLE NO.17.7

ESTIMATED AGE SPECIFIC DEATH RATES BY RURAL/URBAN 1986

Sl. Age Group No. Years		Karnataka			India		
		Rural	Urban	Combined	Rural	Urban	Combined
1.	0 - 4	27.6	15.6	24.5	40.8	20.9	36.6
2.	5 - 9	2.3	1.3	2.0	3.7	1.7	3.3
3.	10 -14	1.1	1.2	1.2	1.7	1.0	1.6
4.	15 -19	2.2	1.2	1.9	2.5	1.7	2.3
5.	20 -24	2.6	1.2	2.2	3.2	2.1	2.9
6.	25 -29	2.7	1.9	2.5	3.3	2.3	3.0
7.	30 -34	3.3	2.3	3.0	3.6	2.4	3.3
8.	35 -39	4.2	4.0	4.1	4.6	4.3	4.2
9.	40 -44	4.5	4.4	4.5	6.0	4.0	5.6
10.	45 -49	7.5	5.7	7.1	7.9	7.3	7.8
11.	50 -54	12.1	10.0	11.6	12.9	11.8	12.6
12.	55 -59	17.6	19.6	18.1	17.8	18.0	17.8
13.	60 -64	25.4	22.8	24.8	32.3	27.2	31.3
14.	65 -69	42.5	44.8	43.1	45.4	38.2	44.0
15.	70 & over	78.6	92.2	81.9	91.8	88.1	91.0
16	All Ages	9.4	6.8	8.7	12.2	7.6	11.1

SOURCE:- Sample Registration System 1986

200
TABLE NO.17.8

ESTIMATED INFANT DEATH RATES BY RURAL/URBAN AND SEX 1986

India/State	Rural	Urban	Total	Male	Female
India	105	62	96	96	97
Karnataka	82	47	73	77	70

SOURCE:- Sample Registration System 1986

TABLE NO.17.9

PERCENTAGE OF INFANT DEATHS TO TOTAL DEATHS - 1986

India/State	Rural	Urban	Total
India	29.40	22.00	28.23
Karnataka	26.16	18.58	24.53

SOURCE ; - Sample Registration System 1986

TABLE NO.17.10

PERCENT DISTRIBUTION OF ESTIMATED POPULATION BY AGE GROUP AND
SEX, 1986 - KARNATAKA

[illegible]

TABLE NO.17.11

PERCENTAGE OF POPULATION BELOW POVERTY LINE BY
RURAL, URBAN AND COMBINED 1987-88 (PROVISIONAL)
IN SOUTHERN STATES AND INDIA

Sl. No.	India/State	Rural	Urban	Combined
1.	Andhra Pradesh	33.8	26.1	31.7
2.	Karnataka	35.9	24.2	32.1
3.	Kerala	16.4	19.3	17.4
4.	Tamil Nadu	39.5	20.5	32.8
5.	All India	33.4	20.1	29.9

SOURCE; - Health Information India - 1992.

TABLE NO.17.12

BIRTH RATE, DEATH RATE & INFANT MORTALITY RATE - KARNATAKA (SRS)

Year	Birth Rate			Death Rate			Infant Mortality Rate		
	Rural	Urban	Combined	Rural	Urban	Combined	Rural	Urban	Comb.
1970	35.0	27.8	33.0	14.2	10.3	13.1	101.0	73.2	N.A
1971	34.6	25.3	31.7	14.0	7.2	12.1	102.0	45.4	89.0
1972	32.8	27.9	31.5	14.3	8.6	12.7	102.5	67.5	94.5
1973	30.1	26.1	28.9	14.3	7.6	12.4	90.5	67.1	84.5
1974	29.5	24.3	28.0	12.4	7.0	10.9	97.7	52.2	86.5
1975	29.7	22.5	27.7	12.5	7.5	11.1	NA	NA	NA
1976	31.1	25.2	29.4	13.4	7.7	11.7	99.0	60.0	89.0
1977	27.2	24.0	26.3	12.5	7.8	11.1	89.0	64.0	83.0
1978	30.2	26.4	29.2	13.6	8.2	12.0	90.0	58.0	82.0
1979	29.0	25.9	28.1	11.8	6.4	10.4	94.0	51.0	83.0
1980	28.9	24.4	27.6	10.7	6.6	9.6	79.0	45.0	71.0
1981	29.2	25.7	28.3	10.2	6.3	9.1	77.0	45.0	69.0
1982	28.8	25.7	27.9	10.2	6.3	9.2	71.0	47.0	65.0
1983	30.2	26.0	29.1	10.6	6.0	9.3	80.0	41.0	71.0
1984	30.9	28.5	30.3	10.7	6.6	9.6	84.0	43.0	74.0
1985	30.9	26.2	29.6	9.8	6.1	8.8	80.0	41.0	69.0
1986	29.9	26.8	29.0	9.4	6.8	8.7	82.0	47.0	74.0
1987	29.9	26.3	28.9	9.7	6.1	8.7	86.0	41.0	75.0
1988	30.1	24.9	28.7	9.5	7.0	8.8	83.0	46.0	74.0
1989	29.1	25.1	28.0	9.6	6.5	8.8	89.0	53.0	80.0
1990	29.0	25.0	28.0	8.8	6.1	8.1	80.0	39.0	70.0
1991	27.8	23.9	26.8	9.7	6.9	9.0	87.0	47.0	77.0
1992	27.3	23.3	26.2	9.4	6.0	8.5	82.0	41.0	73.0
(p)									
1993	26.7	23.1	25.5	9.5	5.2	8.0	79.0	41.0	67.0
(p)									

(P) = Provisional SOURCE; - Registrar General of India

TABLE NO.17.13

BIRTH RATE, DEATH RATE AND INFANT MORTALITY RATE-INDIA (S.R.S)

Year	Birth Rate			Death Rate			Infant Mortality Rate		
	Rural	Urban	Combined	Rural	Urban	Combined	Rural	Urban	Combd,
1970	38.9	29.7	36.8	17.3	10.2	15.7	136	90	129
1971	38.9	30.1	36.8	16.4	9.7	14.9	138	82	129
1972	38.4	30.5	36.6	18.9	10.3	16.9	150	85	139
1973	35.9	28.9	34.6	17.0	9.6	15.5	143	89	134
1974	35.9	28.4	34.5	15.9	9.2	14.5	136	74	126
1975	36.7	28.5	35.2	17.3	10.2	15.9	151	84	140
1976	35.8	28.4	34.4	16.3	9.5	15.0	139	80	129
1977	34.3	27.8	33.0	16.0	9.4	14.7	140	81	130
1978	34.7	27.8	33.3	15.3	9.4	14.2	137	74	127
1979	35.1	27.6	33.7	14.1	8.1	13.0	130	72	120
1980	35.1	27.8	33.7	13.7	7.9	12.6	124	65	114
1981	35.6	27.8	33.9	13.7	7.8	12.5	119	62	110
1982	35.5	27.6	33.8	13.1	7.4	11.9	114	65	105
1983	35.3	28.3	33.7	13.1	7.9	11.9	114	66	105
1984	35.3	29.4	33.9	13.8	8.6	12.6	113	66	104
1985	34.3	28.1	32.9	13.0	7.8	11.8	107	59	97
1986	34.2	27.1	32.6	12.2	7.6	11.1	105	62	96
1987	33.7	27.4	32.2	12.0	7.4	10.9	104	61	95
1988	33.1	26.3	31.5	12.0	7.7	11.0	102	62	94
1989	32.2	25.2	30.6	11.1	7.2	10.3	98	58	91
1990	31.7	24.7	30.2	10.5	6.8	9.7	86	50	80
1991	30.8	24.1	29.3	10.5	7.0	9.8	86	52	80
1992	30.7	23.1	29.0	10.8	7.0	10.0	85	53	79
(P)									
1993	30.3	23.5	28.5	10.5	5.7	9.2	82	45	74
(P)									

(P)=Provisional

SOURCE: - Registrar General of India

CHAPTER XVIII

INTERNATIONAL COMPARATIVE STATISTICS

TABLE NO.18.1

POPULATION, NATALITY, GENERAL MORTALITY AND NATURAL INCREASE
FOR THE WORLD AROUND 1991

Country or Area	Latest Estimates (in thousand 1991)	Population Percentage Distribution by age in year 1990				Rate per 1000 population 1985-90		
		-----				-----		
		0 -14	15 - 64	65 +		Live Births	Deaths	Natural increase
1	2	3	4	5		6	7	8
WORLD	53,85,334	32.3	61.5	6.2		27.1	9.8	17.4
Africa	6,61,802	45.0	51.9	3.0		44.7	14.7	29.9
America	7,34,954	30.4	61.9	7.7		23.5	7.9	15.6
Asia (Excluding USSR)	31,72,511	32.9	62.1	5.0		27.8	9.0	18.7
Europe (Including USSR)	7,90,211	21.7	66.3	12.0		14.9	10.7	4.2
Oceania	96,857	26.5	64.5	9.0		19.4	8.1	11.3
WHO Region								
Africa	5,35,355	45.9	51.2	2.9		46.3	15.4	30.9
The Americas	7,34,954	30.3	61.9	7.7		23.5	7.9	15.6
South East Asia	13,40,727	36.8	59.0	4.2		31.9	11.0	20.8
Europe	8,51,884	22.6	65.9	11.5		15.9	10.5	5.4
Eastern Mediterranean	4,00,090	43.9	53.0	3.1		41.8	11.4	30.4
Western Pacific	15,22,329	27.1	66.7	6.1		21.5	7.0	14.5

SOURCE :- Health Information India - 1992

TABLE NO.18.2

NATALITY, GENERAL MORTALITY AND NATURAL INCREASE,
EXPECTATION OF LIFE AT BIRTH (BY SEX) AND INFANT
MORTALITY DURING 1985-90

MORTALITY DURING 1965							
Sl. No.	Name of the Country	Rate (Per 1000 Population)			Infant Mor-	Expectation of	
		Live Birth	Death	Natural Increase	tality (per 1000 live born)	Life at Birth Male	Female
WORLD TOTAL		27.1	9.8	17.4	70	61.8	65.9
1.	Afghanistan	49.3	23.0	26.2	172	41.0	42.0
2.	Argentina	21.4	8.6	12.7	32	65.5	72.7
3.	Australia	15.0	7.5	7.5	8	73.3	79.5
4.	Bangladesh	42.2	15.5	26.7	119	56.9	55.9
5.	Brazil	28.6	7.9	20.7	63	62.3	67.6
6.	Myanmar	30.6	9.6	20.9	70	58.7	63.7
7.	Canada	14.1	7.5	6.6	7	73.2	80.3
8.	Egypt	35.1	10.8	24.3	65	57.8	60.3
9.	France	13.8	10.3	3.5	7.4	72.3	80.0
10.	German (DR)	11.2	12.3	1.1	9	71.8	76.2
11.	India*	30.2	9.7	20.5	80	57.8	57.9
12.	Indonesia	28.6	9.4	19.3	75	58.5	62.0
13.	Japan	11.3	7.0	4.3	5	75.9	81.1
14.	Kenya	47.0	11.3	35.7	72	56.5	60.5
15.	Libya	44.0	9.4	34.5	82	52.0	62.5
16.	Malaysia	31.9	5.6	26.4	24	67.5	71.6
17.	Mexico	29.0	5.8	23.2	43	62.1	72.3
18.	Nepal	39.6	14.8	24.7	128	50.8	50.3
19.	Pakistan	46.9	12.6	34.3	108	59.0	56.5
20.	Srilanka	22.5	5.9	16.6	28	67.8	72.5
21.	Thailand	22.3	7.0	15.3	28	63.8	67.1
22.	United Kingdom	13.6	11.8	1.8	9	72.2	78.1
23.	U.S.S.R	18.4	10.6	7.8	24	65.0	74.2
24.	U.S.A	15.1	8.8	6.3	9.1	71.5	79.0

NOTE : * Relative to year 1990.

SOURCE: Health Information India-1992.

TABLE NO.18.3

POPULATION PER BED, PHYSICIAN AND MIDWIFE/NURSE FOR
SELECTED COUNTRIES

SL. NO.	NAME OF THE COUNTRY	POPULATION PER					
		YEAR	BED	YEAR	PHYSICIAN	YEAR	MIDWIFE/ NURSE
1	2	3	4	5	6	7	8
1.	Afghanistan	1981	3,700	1981	13,467	1981	9,111
2.	Argentina	1969	180	1975	530	1973	93
3.	Australia	1980	150	1980	556	1980	146
4.	Bangladesh	1981	4,545	1981	8,908	1981	15,005
5.	Brazil	1976	245	1974	1,650	1974	2,280
6.	Burma	1981	1,226	1981	4,940	1981	1,649
7.	Canada	1978-79	70	1979	548	1978	130
8.	Egypt	1981	500	1981	815	1981	771
9.	France	1977	82	1977	580	1977	151
10.	Germany (DR)	1978	94	1980	494	+	+
11.	Germany (FR)	1980	87	1980	442	1980	181
12.	India	1986	1,398	1985	2,450	1985	2,036
13.	Indonesia	1979	1,787	1979	11,973	1979	1,070
14.	Japan	1981	86	1981	761	1981	209
15.	Kenya	1978	601	1978	10,136	1978	1,039
16.	Libya	1981	201	1981	660	1981	319
17.	Malayasia (Peninsular)	1981	370	1980	3,267	1980	541
18.	Mexico	1974	860	1974	1,250	1974	1,400
19.	Nepal	1980	5,477	1980	28,768	1980	7,448
20.	Pakistan	1981	1,746	1981	3,172	1981	4,492
21.	Srilanka	1981	340	1981	7,631	1981	1,453
22.	Thailand	1980	658	1980	6,870	1980	1,104
23.	U.K. England & Wales	1980	127	1979	711	1979	207
24.	U.S.S.R	1978	82	1979	274	+	+
25.	U.S.A	1980	171	1980	549	1980	190

+ =Not available Source: Health Information India 1987

TABLE NO.18.4
GOVERNMENT HEALTH EXPENDITURE IN DIFFERENT COUNTRIES

SL.NO.	NAME OF THE COUNTRY	PERCENTAGE OF GOVERNMENT HEALTH EXPENDITURE TO TOTAL EXPENDITURE			
		1983	1984	1985	1986
1	2	3	4	5	6
	WORLD	9.68	10.22	10.38	+
	A.Industrial Countries	11.39	12.03	12.28	+
	United States E%	10.65	11.04	11.29	11.55
	Canada G #	6.27	6.34	6.09	+
	Australia C	7.12	7.85	9.54P	9.52P
	Japan	-	-	-	+
	France C	14.50	-	-	+
	Germany D	18.64	18.74p	-	+
	United Kingdom C	13.22	12.87	12.55	+
	B.Memorandum items				
	1)Oil Exporting Countries	4.92	5.30	5.56	+
	2)New Oil Developing Ctys	3.79	3.94	3.69	+
	C.Developing Countries	4.00	4.20	4.06	+
	i)Africa	-	-	-	+
	Ghana	-	8.58	9.80	8.28
	Kenya A*	6.96	6.73	6.43	+
	Mauritius *	7.84	8.10	7.56	7.71
	Sudan A	-	-	-	+
	ii)ASIA	3.05	3.07	3.14	2.87
	Bangladesh	4.09P	6.24P	-	+
	Burma A#	6.87	7.35	7.71	+
	India E #	2.42	2.28	2.16P	2.09P
	Indonesia #	2.21	2.54	2.50	1.87
	Malayasia	-	-	-	+

1	2	3	4	5	6
	Nepal +	4.65	4.39	4.97	+
	Pakistan D*	1.04	1.10	1.00	+
	Philippine A	5.48	5.02	5.95 P	+
	Srilanka A	5.22	3.73	3.77	4.04P
	Thailand B%	5.01	5.43	5.69	+
iii)	Europe	-	-	-	+
	Yugoslavia C	-	-	-	+
iv)	Middle East	5.23	5.73	6.13	+
	Egypt A*	2.84	2.60	2.60	2.39P
v)	Western Hemisphere	4.58	4.85	4.33	+
	Argentina	1.37	1.81	1.28	+
	Brazil D	7.09	7.37	6.42	+
	Mexico C	1.20	1.52	1.38	+

NOTE: 1. Letters A-G following country name indicate percentage of general Government Tax Revenue accounted for by Central Government for the latest year with available data as follows:

A = 95 and over

B = 90-94.9

C = 80-89.9

D = 70-79

E = 60-69

F = 50-59.9

G = 20-49.9

2. Symbol * indicates break in continuity of time series as described in country notes on coverage of Data.

3. Most recent fiscal years, other than those ending December 31; as indicated as # beginning April 1; * ending June 30, % ending September 30 and +, other.

4. The letter 'P' indicates that data are in whole or in part provisional preliminary or projected.

SOURCE: Health Information India - 1992

GOALS FOR HEALTH AND FAMILY WELFARE PROGRAMMES IN
TERMS OF "HEALTH FOR ALL" BY 2000 A.D

TERMS OF " HEALTH FOR ALL " BY 2000					
		GOALS			
Sl. Indicator No.	Current level	1985	1990	2000	
1	2	3	4	5	6
1. Infant Mortality Rate Rural	86 (1990)	122			
Urban	51 (1990)	60			
Combined	80 (1990)	106	87	Below	60
2. Perinatal Mortality	49.6(1990)				30-35
Crude Death Rate	9.6(1990)	12	10.4		9.0
3. Pre School Child(1-5 years) Mortality	24 (1976-77)	20-24	15-20		10
4. Maternal Mortality Rate	4-5 (1976)	3-4	2-3	Below	2
5. Life Expectancy at Birth (Years)					
Male	58.1 (1986-91)	55.1	57.6		64
Female	59.1 (1986-91)	54.3	57.1		64
6. Babies with birth weight below 2500 gms(%)	30		25	18	10
7. Crude Birth Rate	29.9 (1990)		31	27.0	21.0
8. Effective Couple Protection (Percentage)	44.1 (3/91)		37.0	42.0	60.0
9. Net Reproduction Rate(NRR)	1.48 (1981)		1.34	1.17	1.00
10. Growth Rate (Annual)	2.03 (1990)		1.90	1.66	1.20
11. Family Size	4.0 (1988)		3.8	-	2.3
12. Pregnant Mothers receiving ante-natal care (%)	60 (1988)		50-60	60-75	100
13. Deliveries by Trained Birth Attendants(%)	40-50(1988)		50	80	100
14. Immunisations status(%) coverage TT(for pregnant Women).	78.16(1990)		60	100	100
TT (for School Children)					
.. 10 Years	60.5 (1990)		40	100	100
.. 16 Years	86.45(1990)		60	100	100

DPT(Children below 3 years)	98.19 (1990)	70	85	85
Polio (infants)	98.86 (1990)	50	70	85
B.C.G (infants)	101.51 (1990)	70	80	85
D.T(New School entrants 5-6 Years)	82.0 (1990)	80	85	85
Typhoid (New School entrants 5-6 years)	62.6 (1987-88)	70	85	85
5. Leprosy - percentage of disease arrested cases out of those detected*.	24.46 (1990)	40	60	80
6. TB - percentage of disease arrested cases out of those detected.	66 (1990)	60	75	90
7. Blindness - Incidence of (%)	1.4 (1987-88)	1	0.7	0.3

* Cases cured after 1983, out of the 4 Million estimated Leprosy cases.

SOURCE: Health Information India - 1992.

LIST OF WORLD HEALTH DAY THEMES

- 1981 : Health for All by the year 2000
- 1982 : Add Life to Years
- 1983 : Health for All by the year 2000, the
Countdown Has Begun
- 1984 : Children's Health - Tomorrow's Wealth
- 1985 : Health Youth : Our Best Resource
- 1986 : Healthy Living : Everyone a Winner
- 1987 : Immunisation - a Chance for Every Child
- 1988 : Health for All - All for Health
- 1989 : Let's Talk Health
- 1990 : "Our Planet - Our Health " -
"Think Globally - Act Locally"
- 1991 : "Should Disaster Strike - Be prepared"
- 1992 : "Heart Beat Rhythm of Health"
- 1993 : Handle Life with Care - Prevent Violence
and Negligence
- 1994 : Oral Health for Healthy life
- 1995 : A World without Polio

